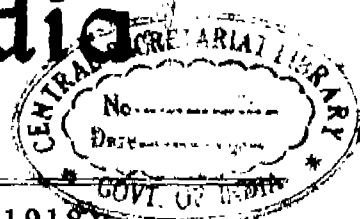




भारत का राजपत्र The Gazette of India

प्राधिकार से प्रकाशित
PUBLISHED BY AUTHORITY



सं० 16]

नई दिल्ली, शनिवार, अप्रैल 20, 1996 (चैत्र 31, 1918)

No. 16]

NEW DELHI, SATURDAY, APRIL 20, 1996 (CHAITRA 31, 1918)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 20th April 1996

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Building, 5th, 6th and 7th
Floor, 234/4, Acharya Jagadish
Bose Road, Calcutta-700 020.

Rest of India

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पेटेंट कार्यालय

एकल तथा अभिकल्प

कलकत्ता, दिनांक 20 अप्रैल 1996

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं भद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडरी इस्टेट
तीसरा तल, लोअर परेल (पश्चिम),
बम्बई-400013।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश तथा गोवा राज्य क्षेत्र
एवं संघ शासित क्षेत्र, दमन तथा दीव एवं दादर और नागर
हवेली।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, क़राल बाग,
नई दिल्ली-110005।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब
राजस्थान, उत्तर प्रदेश तथा दिल्ली राज्य क्षेत्रों एवं संघ
शासित क्षेत्र चण्डीगढ़।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,
61, बालासाह रोड,
मद्रास-600002।

आन्ध्र प्रदेश, कर्नाटक, कोरल, तमिलनाडु तथा पण्डिचेरी
राज्य क्षेत्र एवं संघ शासित क्षेत्र, लक्षद्वीप मिनिक्लाव तथा
एमिनीविचि द्वीप।

तार पता-“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,
भवन, 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस मार्ग,
कलकत्ता-700020।

भारत का अवशेष क्षेत्र।

तार पता-“पेटेंटोफिस”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपे-
क्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट
कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किये जायेंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जायेगी अथवा
उपयुक्त कार्यालय में नियन्त्रक को भुगतान योग्य धनावेश अथवा
ड्राफ्ट आवेश या जहाँ उपयुक्त कार्यालय अवस्थित है, उस स्थान
के अनुसूचित बैंक से नियन्त्रक को भुगतान योग्य बैंक ड्राफ्ट
अथवा चेक द्वारा की जा सकती है।

CORRIGENDUM

In part III, Section-2 of the Gazette of India, in the
page 966 dated 8-8-92 under the heading “Complete Spec-
ification accepted” in respect of Patent No. 171156 (448/
Cal/90) read the address of the first applicant namely
‘Minato company Ltd’ as “1-16 EIRAKU-Cho, Minami-Ku
Yokohama-Shi Kanagawa-Ken, Japan”, instead of the
existing 7-1, Kasumigaseki 3-Chome, Chiyoda-Ku, Tokyo,
Japan.

ALTERATION OF DATE UNDER SECTION-16

176320 dated to 16th August, 1989.
(525/Cal/1993)

APPLICATION FOR PATENT FILED AT THE HEAD
OFFICE, 234/4, ACHARYA JAGADISH BOSE ROAD,
CALCUTTA-20

The dates shown in the crecent bracket are the dates
claimed under section 135, of the Patent Act, 1970.

07-12-1995

1589/Cal/95. Mahendra Patel. Cat-chel process for improv-
ing optical properties of paper.

1590/Cal/95. Daewoo Electronics Co., Ltd. Cassette load-
ing device for use in a video cassette recorder.
(Convention No. 95-6845; on 29/03/95; in
Korea.)

1591/Cal/95. Chemedica S.A. Sodium hyaluronate viscous
solutions for use as masking fluid in therapeutic
photokeratectomy by means of excimer laser.

1592/Cal/95. Tapati Paul. A novel plant and process for
separating constituents from oil drilling efflu-
ent and treatment.

1593/Cal/95. Borealis Polymers OY. Process for prepar-
ing polyethylene. (Convention No. 945926; on
16/12/94; in Finland).

1594/Cal/95. Borealis Polymers OY. Polyethylene composi-
tion. (Convention No. 945925; on 16/12/94; in
Finland.)

1595/Cal/95. Richter Technology Limited. Rotary/linear
converter. (Convention No. PM 9985; on 09/
12/94; PNO 472; on 10/01/95 & PNO 5170;
on 01/09/95; in Australia.)

1596/Cal/95. Wink Communications Inc. Compact graphi-
cal interactive information system. (Convention
No. 08/429, 107; on 26/04/1995; in U.S.A.)

07-12-1995

स्वीकृत सम्पूर्ण विनिर्देश

1597/Cal/95. Wink Communications Inc. Method & apparatus for determining broadcaster information. (Convention No. 08/429,064; on 26/04/95; in U.S.A.).

1598/Cal/95. Hunter Douglas International N.V. Process and apparatus for fabricating honeycomb structure. (Divisional to out of No. 644/Cal/91 dated 30/8/91).

1599/Cal/95. Wink Communications Inc. Method & apparatus for routing confidential information. (Convention No. 08/429,109; on 26/04/95; in U.S.A.).

1600/Cal/95. Richard Mozley Limited. A pressure dropping cyclone. (Convention No. 9424678.2; on 07/12/94; in U.K.).

1601/Cal/95. Laviosa Chimica Mineraria S.P.A. A bentonite composition extrudable as a flexible strip-like or sheet-like waterproofing product.

08-12-1995

1602/Cal/95. LG Chemical Ltd. Process for purifying hepatitis B viral surface antigen comprising pre-peptide. (Convention No. 94-33594; on 10/12/94; in South Korea.)

1603/Cal/95. Utpal Bhattacharjee. A water body scanner.

1604/Cal/95. Ram Singh Jayaswal. Improved shovel.

1605/Cal/95. Siemens AG Oesterreich. Mains rectifier circuit. (Convention No. 2314/94; on 12-12-94; in Austria.)

1606/Cal/95. Synthetic Moulders Limited. Plastic Modular distributor valve assembly.

1607/Cal/95. Siemens AG Oesterreich. Mains rectifier circuit. (Convention No. 2313/94; on 12-12-94; in Austria.)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form-14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, given notice to the Controller of Patents at the appropriate office on the prescribed Form-15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule-36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta or the appropriate Branch Office on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by two to get the charges as the copying charges per page are Rs. 2/-.

एतद्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अंतिम ऐसे अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियन्त्रक, एकत्रित उपयुक्त कार्यालय में ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर-राष्ट्रीय वर्गीकरण के अनुरूप हैं”।

रूपांकन (चित्र आरेखों) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा विहित लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अवायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उस 2 से गुणा करके, (अर्थात् प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का परिचालन किया जा सकता है।

Cl. : 40 B

176311

Int. Cl. : C 08 F 4/64.

PROCESS FOR PREPARING A CATALYST COMPONENT FOR THE POLYMERIZATION OF OLEFINS.

Applicant: HIMONT INCORPORATED, OF 2801 CENTERVILLE ROAD, NEW CASTLE COUNTY-DELAWARE, U.S.A.

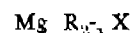
Inventors: (1) ANTONIO MONTE; (2) LUCIANO NORISTI.

Application No. 13/Cal/1991 filed on 1st January, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

6 Claims

A process for preparing a catalyst component for the polymerization of olefins comprising reacting a temperature generally between 0°C and 100°C in an inert hydrocarbon medium in the method, such as herein described, a metal oxide, containing surface hydroxyl groups and optionally uncombined water, selected from silica, alumina, magnesium oxide, titanium oxide, thorium oxide, mixed silica-alumina oxides; with an organometallic magnesium compound of the formula:



Where R is a 1-20 carbon alkyl, cycloalkyl or aryl radical; X is a halogen, or an OR or COX radical where X is a

halogen and x is a number from 0.5 to 1.5; and subsequently reacting at a temperature between 40°C and 135°C for a period from 0.25 to 1 hour or more in the method, such as herein described, the thus obtained solid with a tetravalent titanium halide, such as herein described and an electron-donor compound selected from esters of bicarboxyl aromatic and aliphatic acids, such as herein described, of carbonic acids and ethers, such as herein described, at least 80% of the titanium which is present in the said catalyst component being in the tetravalent state and the total amount of organometallic magnesium compound, titanium compound and electron donor is from 5 to 60% by weight, the Mg/Ti molar ratio is from 0.5 to 8, and the molar ratio electron—donor compound/Mg, is from 0.05 to 0.2.

Compl. Specn. : 29 Pages

Drgns. Nil.

Cl. : 157 D 3

176312

Int. Cl. : E 01 C 9/04.

RAILWAY TRACK CROSSING ARRANGEMENT COMPRISING SHAPED MEMBERS AND METHOD OF PRODUCING THE SAME.

Applicant : GUMMIWERK KRAIBURG DEVELOPMENT GMBH, TEPLITZER STRASSE 20, D-8264 WALD-KRAIBURG, GERMANY.

Inventors : PETER SCHMIDT.

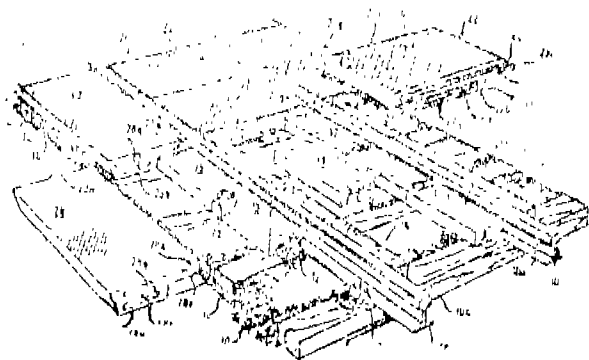
Application No. 29/Cal/91 filed on 8th January 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

27 Claims.

A track crossing arrangement comprising shaped members in a railroad yard with a layer of surfacing consisting of horizontally and adjacently oriented rubber-based shaped members (22, 28) resting on the track foundation and/or road-bed material, characterized in that, said shaped members (22, 28) contain at least in their core zone (22x) particulate vulcanised scrap rubber material which is bonded by a hardened binder, and have on at least one traffic laden side face, a substantially closed covering skin (22y) of vulcanised raw rubber mixture which is bounded to the core zone (22x).

Fig 1



Compl. Specn. 27 pages

Drgns. 7 sheets

Cl. : 11 C

176313

Int. Cl. : A 23 K 1/175.

"AN ANIMAL FEED ADDITIVE".

Applicant : ENGELHARD CORPORATION, OF 101 WOOD AVENUE ISELIN, NEW JERSEY 08830, UNITED STATES OF AMERICA.

Inventors : (1) DENNIS R. TAYLOR;
(2) KEITH A. DELANEY;
(3) TIMOTHY D. PHILLIPS.

Application No. 161/Cal/1991 filed on 21st February, 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

10 Claims

A dry solid particulate animal feed additive comprising particles of a phyllosilicate mineral capable of inactivating mycotoxins, said particles being coated with a water-soluble sequestering agent such as herein described to enhance the mycotoxin inactivating capacity of said particles of mineral, wherein said sequestering agent is present in amount in the range of about 2 to 10% based on the weight of said clay.

Compl. Specn. : 28 pages

Drgns : 11 sheets

Cl. : 63 A 2

176314

Int. Cl. : H 02 K 17/16;
H 02 P 7/36.

"CONTROL MEANS FOR REGULATING THE SPEED REFERENCE OF A SQUIRREL-CAGE ELEVATOR MOTOR".

Applicant : KONE ELEVATOR GMBH, OF RATIAUS-STRASSE 1, CH-6340 BAAR, SWITZERLAND.

Inventors : SEPPO SUUR-ASKOLA TIMO LEHTONEN.

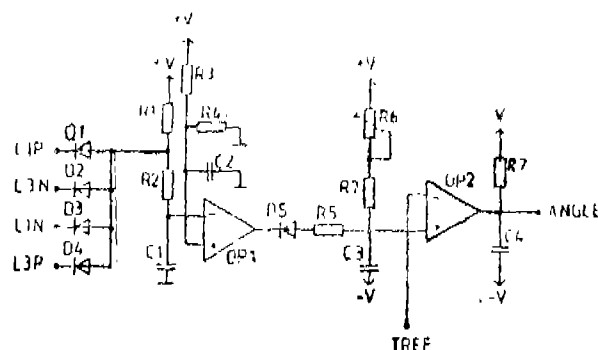
Application No. 230/Cal/91 filed on 18th March 1991.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office Calcutta.

3 Claims

Control means for regulating the speed reference of a squirrel-cage elevator motor (1) the motor (1) being fed by a voltage converter provided with a power stage (6) comprising solid-state switches and connected to a supply mains network and to the elevator motor (1) and a control unit (7) controlling the power stage (6), characterised in that the control unit (7) comprises :

a measuring means (D6-D9, R8, C5, OP3) for measuring the zero point of the motor current, said measuring means comprising a rectifier bridge (D6-D9) and an amplifier unit (OP3) connected to said rectifier bridge, the output of said amplifier unit being the signal (CURRE) measuring the zero point of the motor current and an integrating means (OP4, R13, R17, C9) for producing a speed reference correction signal (CORR), which adjusts the speed reference to a value at which the firing angle of the solid-state switches corresponds to the zero point of sinusoidal motor current.



Compl. specn. 10 pages

Drgns. 4 sheets

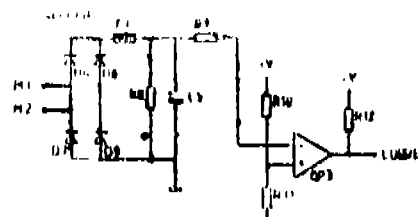


FIG. 5

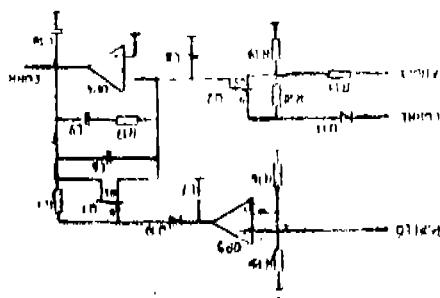


FIG. 6

Compl. Specn. 10 pages

Drgns. 4 Sheets

Cl. : 9 E&F
39 J

176315

Int. Cl. : C01B 21/06, 21/064,
21/068, 21/076.**ABRASIVE COMPACT OF CUBIC BORON NITRIDE
AND METHOD OF MAKING SAME.**Applicant : THE AUSTRALIAN NATIONAL UNIVERSITY,
OF ACTON, AUSTRALIAN CAPITAL TERRITORY,
2601, AUSTRALIA.

Inventors : ALFRED EDWARD RINGWOOD.

Application No. 314/Cal/91 filed on 24th April 1991.

(Convention No. PK 0297 dated 25-05-90 Australia).

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972), Patent Office Calcutta.**16 Claims**A method for producing a cubic boron nitride (CBN)
compact which comprises the steps of:

- intimately mixing a mass of particulate CBN crystals with a bonding agent in the proportions 95 to 60 volume percent of CBN and 5 to 40 volume percent of bonding agent, said bonding agent containing silicon and metal atoms selected from the group consisting of titanium, zirconium and hafnium atoms in the atomic proportions Si_{30} M_{70} to Si_{30} M_{10} , where M represents said metal atoms;
- subjecting the mixture of CBN crystals and bonding agent to temperatures in the range 900° to 1800°C and pressures in the range 5 to 70 kilobars; and
- maintaining the temperature and pressure conditions on the mixture for a period of at least about 30 seconds, sufficient to cause most of the Si and M atoms of the bonding agent to react with the

CBN crystals to form a bonding matrix in situ composed of an intimate mixture of two phase, one of which consists essentially of or consists of silicon nitride (Si_3N_4) and the other of which is a metallic diboride (MB_2) phase, each of said phases comprising at least 25 volume percent of the bonding matrix.

Compl. Specn. 33 pages

Drgns. Nil.

Cl. : 35 E
177 D
107 G

176316

Int. Cl. : F 16 L 59/00
F 04 B 35/00
F 02 B 77/11
F 02 C 7/24**"CERAMIC HEAT SHIELD ON A LOAD-BEARING
STRUCTURE".**Applicant : SIEMENS AKTIENGESELLSCHAFT, OF
WITTELSBACHERPLATZ 2, D-8000, MUNCHEN 2,
WEST GERMANY.

Inventors : HELMUT MAGHON.

Application No. 857/Cal/1991 filed on 15th November,
1991.Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office, Calcutta.**13 Claims**

Heat shield on a load-bearing structure (1), which heat shield has a multiplicity of tiles (2) which are located adjacent to one another to cover an area essentially and are fastened on the load-bearing structure (1) by means of metallic restraints (3, 31, 32), wherein

- the load-bearing structure (1) is provided with grooves (4) each of which has two opposite groove walls (5), a groove bottom (6) and a groove opening (7);
- each tile (2) has a cold side (8) in contact with the load-bearing structure (1) a hot side (9) facing away from the load-bearing structure (1) and at least two flanks (10) each of which connects the cold side (8) to the hot side (9);
- with each flank (10) is associated at least one restraint (3, 31, 32) at least partially reaches over the flank (10) by means of an engagement strap (11);
- each restraint (3, 31, 32) is fastened in a groove (4) on a fastening strap (12) which is directed approximately at right angles to the engagement strap (11).

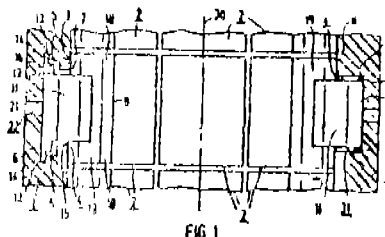


FIG 1

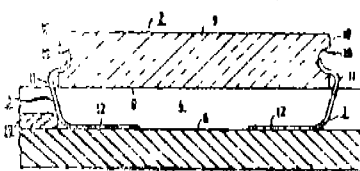
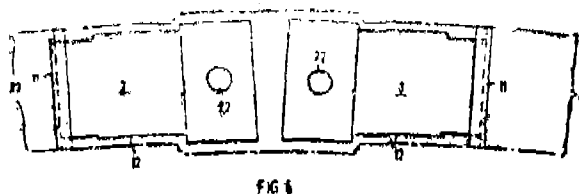
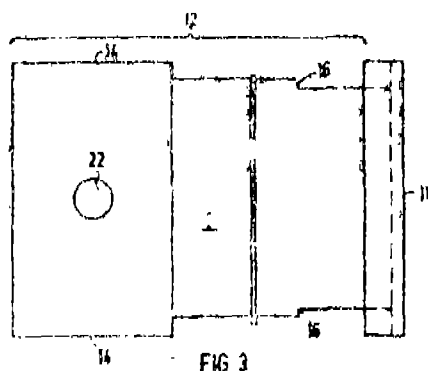


FIG 2



Compl. Specn. 14 pages

Drgns. 3 sheets

Cl. : 24 B, F

176317

Int. Cl. : F 16 D 66/00

FRICION MATERIAL BRAKE BLOCK".

Applicant : ABEX CORPORATION., OF LIBERTY LANE HAMPTON NEW HAMPSIRE 03842, UNITED STATES OF AMERICA.

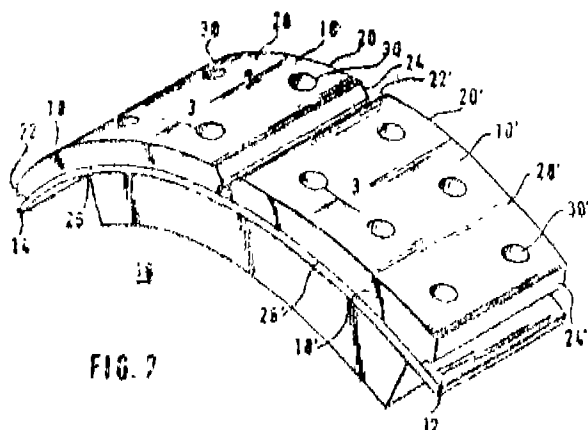
Inventors : ROGER CIRILLO RODRIGUEZ DONALD PAUL JOHNSON

Application No. 77/Cal/92 filed on 3rd February, 1992.

Appropriate office for opposition proceedings (Rule 4, patent rule 1972) Patent Office Calcutta.

7 Claims

A friction material brake block which comprises : an outside radius forming a top braking surface; an inside radius forming an arcuate bottom surface adapted to be attached to a complementary shaped top surface of a backing plate; a pair of longitudinally extending side surfaces and a pair of laterally extending end surfaces which define the perimeter of said brake block and visible wear indicating means in the form of reference mark means on at least one of said laterally extending end surfaces between the top and bottom surfaces for indicating visibly the remaining usable thickness of said brake block below said top braking surface.



Compl. Specn. : 14 pges

Drgns. : 2 sheets

Cl. : 69 I

176318

Int. Cl. : H 01 H 21/54

"MULTIPOLE VACUUM SWITCH WITH A POLE DRIVING UNIT FOR EACH VACUUM".

Application : SIEMENS AKTIENGESellschaft, OF WITTELSBACHERPLATZ 2, 8000 MUNCHEN 2, GERMANY

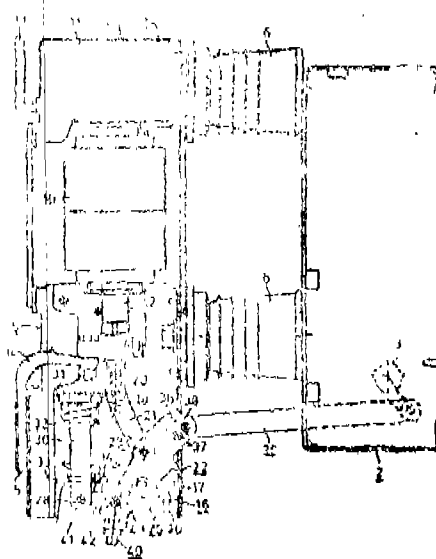
Inventors : (1) MANFRED BINDER;
(2) WERNER GRUNER;
(3) DETLEV SCHMIDT;
(4) RALF SEEBOLD
(5) NORBERT STEINEMER

Application No. : 682/Cal/92 filed on 21st September, 1992.

Appropriate office for opposition proceedings (Rule 4, patent rule 1972) Patent Office Calcutta.

5 claims

Multipole vacuum switch (1) comprising one vacuum switching tube (10) per pole, exhibiting a drive plunger (12) which can be moved in a straight line, and one pole driving unit (5) allocated to each vacuum switching tube (10) the pole driving unit (5) exhibiting a lever arrangement for deflecting the driving force, provided by a driving device (3) common to all poles, to the drive plunger (12) and a contact force spring (32) arranged approximately parallel to the direction of movement of the drive plunger (12) and a housing (16) supporting the lever arrangement and the contact force spring (32), characterised in that the lever arrangement comprises two toggle levers (21, 22), one of which (21) is connected in an articulated manner with the drive plunger (12) of the vacuum switching tube (10) and the other one of which (22) is connected in an articulated manner with a support lever (25) which is rotatably supported at the housing (16) at one end and which is connected at its other end with the contact force spring (32), the support lever (25) assuming in its rest position a position extending approximately at right angles to the direction of movement of the drive plunger (12) and the toggle levers (21, 22) being located close to their extended position in the ON position of the vacuum switch (1).



Compl. Specn. : 10 pages

Drgns : 3 sheets

Cl. : 32 F₄₃ 55E

176319

Int. Cl. : C 07 D 501/00

A METHOD FOR THE ACYLATION OF THE 7-AMINO GROUP OF THE CEPHAOSPORANIC RING.

Applicant : FINPAEL S.P.A., OF VIA PRIVATE MARIA TERESA 11, 20123 MILANO, ITALY.

Inventors : MAURIZIO ZENONI; CLAUDIO FUGANTI.

Applicant No. : 431/Cal/1993 filed on 2nd August, 1993.

(Convention No. 9216759.2 dated 07-08-92 United Kingdom).

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972)) Patent Office Calcutta.

6 Claims

A method for the acylation of the 7-amino group of the cephalosporanic ring of a cephalosporin, wherein (7-amino-acetoxymethyl-3-cephem-4-carboxylic acid) amino thiazolyl protected adduct is prepared by acylating said amino group in a known manner by an optionally substituted group as herein described, aminothiazolyl acetic acid whose amino group being deprotected after the acylation characterized in that the amino protecting group is selected from the group consisting of a phenyl acetyl and phenoxy acetyl group and that the deprotection is effected by hydrolysis of the protected acylated reaction product in the reaction mixture in aqueous solution at a temperature of from 0°C to 50°C and at a pH from 5 to 9 in the presence of an enzyme selected from the group consisting of penicillin G amidase and penicillin V amidase.

Compl. Specn. : 23 pages

Drawn : Nil

Cl. : 21 B
21 C

176320

Int. Cl. : A 43 B 3/00, 3/06, 3/16, 9/00, 13/00, 23/00.

A SHOE CAPABLE OF ACCOMMODATING DIFFERENT FOOT WIDTHS.

Application & Inventor : HENRI E. ROSEN, OF 229 COOLIDGE AVENUE, WATERTOWN, MASSACHUSETTS 02172, UNITED STATES OF AMERICA.

Application No. : 525/Cal/93 filed on 8th September 1993.

(Divided out of Application No. 669/Cal/89 Antidated to 16th August, 1989.)

Appropriate office for opposition proceedings (Rule 4, Patent rule 1972)) Patent Office Calcutta.

8 Claims

A shoe capable of accomodating different foot widths, said shoe comprising :

a shoe upper having vertically movable side members;

a sole assembly having a heel portion; a toe portion and a midportion between said heel and toe portion;

means such as herein described for attaching said shoe upper side members to opposite sides of said sole assembly midportion;

a foot support surface disposed inside the shoe in a position to contact and support an underside of a foot inserted into the shoe, said sole assembly being deformable atleast at abouts its midportion and co-operating with atleast one shoe upper side member to permit vertical movement of atleast one of said shoe upper side member relative to said foot support surface so as to permit the adjustment of the girth of the shoe to accomodate the girth of a foot supported on said surface; and

Said sole assembly having a foot bed provided with edge margins such as herein described to permit deformation of said assembly along said edge margins without causing any substantial change of the contour of the foot support surface on movements thereof

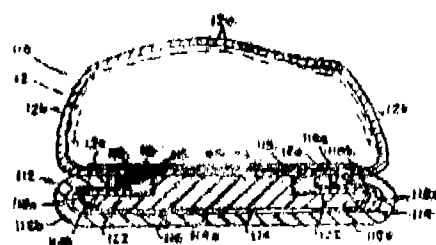
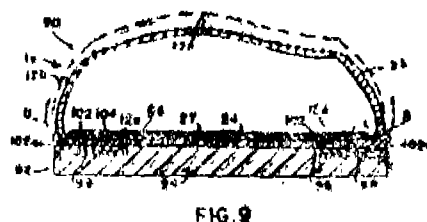
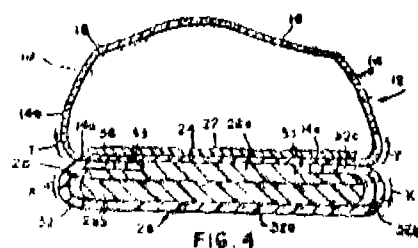
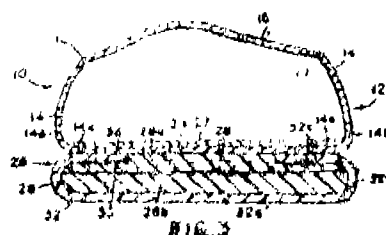
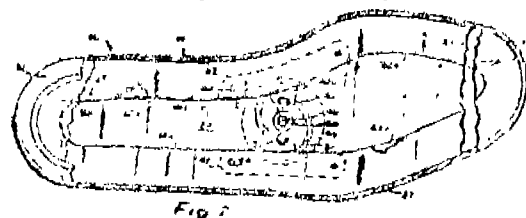
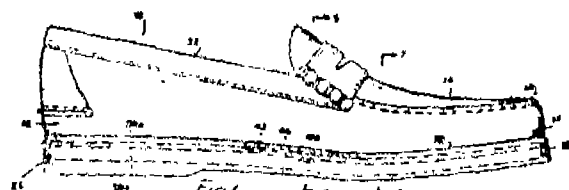
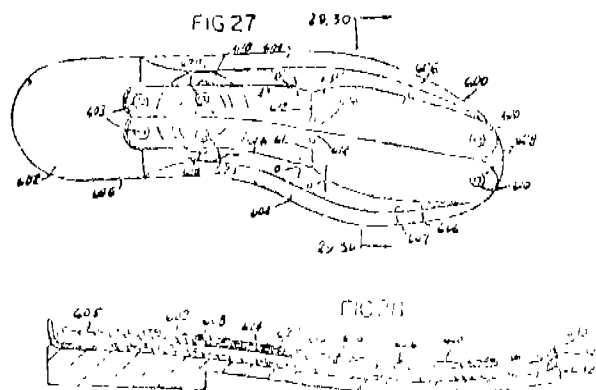


FIG. 10



Compl. Specn : 35 pages

Drgns : 10 sheets

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Himont Incorporated (now known as Montell North America Inc.) a corporation duly organised under the laws of the State of Delaware, U.S.A. of 2801 Centerville Road, New Castle County, Delaware, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 176048 for "Process for the preparation of Diethers."

Amendments are by way of change of name from "HIMONT INCORPORATED" to "MONTELL NORTH AMERICA INC."

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020. If the Written Statement of opposition is not filed with the Notice of Opposition it shall be left within one month from the date of filing the said notice.

Notice is hereby given that Himont Incorporated (now known as Montell North America Inc.) of 2801 Centerville Road, New Castle County, Delaware, U.S.A. a Delaware Corporation, a corporation duly organised and existing under the laws of the State of Delaware, U.S.A. have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for Patent No. 175660 for "A process for the preparation of polyolefin compositions."

Amendments are by way of change of name from "HIMONT INCORPORATED" to "MONTELL NORTH AMERICA INC."

The application for amendment and the proposed amendments can be inspected free of charge at Patent Office,

234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification at the Patent Office, 234/4, Acharya Jagadish Bose Road, Calcutta-700 020. If the Written Statement of opposition is not filed with the Notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

155975	1756223	156224	156242	156361	156362	156522
156523	156645	156671	156836	156843	156863	157081
157198	157199	157306	157386	157387	157431	157449
157611	157818	157847	157874	158317	158386	158392
159097	159337	159344	159345	159346	159450	159507
159583	160566	160643	160701	160851	160854	160928
161018	161394	161557	161705	161776	161777	161835
161945	161981	162146	162421	162484	162485	
162637	162670	162744	162787	163356	163450	163833
163867	163868	164329	164349	164594	164598	164789
164834	164945	165359	165449	165526	165999	166105
166127	166161	166410	166423	166424	166444	166616
166772	166766	166804	166806	166832	166974	167222
167351	167352	167523	168250	168282	168385	168554
168601	168603	169017	169069	169085	169753	169870
169911	170035	170036	170058	170171	170257	170495
170496	170610	170644	170647	170703	170717	170751
170804	170865	170885	170923	171068	171122	171132
171136	171236	171292	171321	171538	171565	171613
171633	171761	171786	171892	172619	172716	172795
172800	172930	172993	173270	173303	173346	173559
173736	173783	173784	173900	174142	174211	174236
174511	174512	174516	174521	174533	174544	174592
174664	174831	174833	174838			

CESSATION OF PATENTS

164674 169369 169370 167774 171991 172389 172989

PATENT SEALED ON 22-03-96

168741 175259 175294 175796*D 175801 175802* 175804*
 175805* 175806 175808 175810* 175811 175812 175813
 175814 175815 175816 175817 175818 175820 175822*
 175824* 175825 175826* 175829*F 175830 175831 175832
 175833 175836 175838

CAL-11, DEI-08, BOM-01, MAS-11

*Patent shall be deemed to be endorsed with the words LICENCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration if three years from the date of sealing.

D--Drug Patents, F--Food Patents

COMMERCIAL WORKING OF PATENTED INVENTIONS

CHEMICAL ENG. INDUSTRY LIST NO. II.

The following Patents in the field of Chemical Engineering Industry are not being commercially worked in India as admitted by Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970, in respect of Calendar year 1993 generally on account of want of request for licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a licence for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee	Title of Inventions
1	2	3	4
169408	28-4-1987	A Ahlstrom Oy. of SF-29600, Noormarkku, Finland.	Fluidized bed reactor.
156855	7-4-1982	Abhinav Fuels Pvt Ltd, at C/1755, Rajajipuram, Lucknow, U.P. India.	Continuous carboniser for the production of domestic coke from coal.
167182	14-3-86	AE Plc., of Casaston House, Cawston Rugby, Warwick shire-CV-22 SA, England.	A composition for a plain bearing material.
167454	22-5-1986	Do.	A process for the production of an aluminium based bearing alloy.
169735	15-4-1988	Aluminium Pechinery of 23, Rue Balzac, 75008, Paris, France.	Process for the production of aluminium by electrolysis of alumina & an apparatus therefor.
170306	17-11-1989	American Cyanamid Co., at one cyanamid Plaza, Wayne, State of New Jersey, 07470, USA.	Method for the preparation of a pyrrole carbonitrile or nitropyrrole.
170237	19-5-89	Anand Swarup Agarawal, C/o. Sujit Kumar Roy, No. 73, Sardar Bakshi Lane, Howrah, West Bengal, India.	A novel process for the manufacture of Y-isomer of benzene hexachloride which is also known as lindane From benzene.
154893	4-6-1981	Applied Industrial Materials, Luxembourg, S.A. of 3-5, Place Winston Churchill, L-Luxembourg.	Improvement in a process for the preparation of silicon from quarter & carbon in an electric furnace.
162374	13-11-84	Do.	Process for the production of silicon from raw quartz, in an electrical low shaft type.
156855	7-4-1982	A. S. Fuels Pvt., Ltd., at WZ, 50, Rajnagar, Mehrauli Road Palam, Colony, New Delhi-110045, India.	Continuous carboniser for the production of domestic coke from coal.
156855	7-4-1982	Ashoka Smokeless coal Industries Pvt. Ltd., of Nageshwar colony, Bakarganj, Patna-4, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
149600	21-1-1980	Asok Ranjan Das Gupta, of sneh Milan, Telephone Exchange Road, Dhanbad-826001, Bihar, India.	Process for producing special quality low ash metallurgical coke.
153750	20-10-1981	Do.	Improvement in a process for the production of special quality low ash metallurgical coke.
161982	14-11-83	Australian Oxytrol systems, Pty. Ltd, of 85, wood street, Eaglehawk Victoria, 31, 56, Australia.	Oxygen probes suitable for detecting the oxygen content of an atmosphere.
156855	7-4-1982	Avadh Fuels Pvt. Ltd., at 7-Civil Lines, Faizabad, U. P. India.	Continuous carboniser for the production of domestic coke from coal.

1	2	3	4
157703	8-2-1983	Bera Anstalt Aeulenstrasse, 38, F-1, 9490, Vaduz, Liechtenstein.	Heat exchanger for the progressive cooling of a hot gas stream in a casing.
169600	3-6-1988	Bethlehem steel Corporation of 701, East Third, St, Bethlehem, Pennsylvania-18016, U.S.	Method for the production of concrete like solid material by chemical stabilization of heavy metal bearing dust sludge, such as E.A.F. dust.
156855	7-4-1982	Bhagyashree Fules Pvt. Ltd. at E-32 Janpath Marg, Shastri Nagar, Jaipur-302016, India.	Continuous carboniser for the production of domestic coke from coal.
166555	22-12-1987	Biopolymers Ltd, of 63, Thomson Road, North, Fremantle, Western Australia-6159, Australia.	A process for producing a polymeric bio-cidal or bio-static compound.
168382	1-4-1987	Borden, Inc. of 180 East, Broad St. Colombas, Ohio-43215, USA.	Raw batch carbonaceous composition for use in making shaped self sustaining article.
168678	1-4-1989	Do.	A composition use ful as a tamping and ramming composition for use in monolithic shape construction.
156855	7-4-1982	Bundelkhand Special Smokeless coke, Fuel (P), Ltd., at 476/34, Rajendra Nagar, Orai, Dist. Jalaun-285001, U.P. India.	Continuous carboniser for the production of domestic coke from coal.
167922	12-5-1987	Burlington Industries, Inc. of 3330, West-Friendly Avenue, Greensboro, North Carolina-27420, USA.	Process for continuous dyeing of poly (m-PHENY-LENISOPH THALAMIDE) fibres and fibres dyed by such process.
168325	6-5-1987	Do.	A process of dyeing or printing pattern on textile materials containing aramid fibres and the textile materials so printed or dyed.
162873	10-12-1984	Chemie Linz, Aktiengesellschaft, Now Chemie, Linz, Gesellschaft, m.b.H. St. Peter, strasse, 25, 4020, Lunz, Austria.	Process for the preparation of glyoxals and alkylglyoxals.
156855	7-4-82	Coal Tarcol Utpadak Audyogic Sahyog, Samiti Ltd, at Nauzar, Katra, Patna-8, Bihar India.	Continuous carboniser for the production of domestic coke from coal.
170034	14-10-1988	Compagnie De Raffinage, ET, DE Dist. - ribution Total FR, of 84, Rue Devillers-92300, Levallois-perret, France.	Apparatus for injection of a charge of hydrocarbon in a reactor for catalytic cracking
163442	3-3-1987	Continental Manufacturing & Sales Inc., of 149, Jessop, Avenue Saskatoon, Saskatchewan, Canada, S7N-1Y3, Canada.	Method for the treatment of sewage and other impure water.
159342	4-3-1983	DCM, Ltd., of Kanchanjunga Bldg, Barakhamba Road, New Delhi, India.	An improved process for the manufacture of hydroted calcium hypochlorite.
161504	16-10-1984	Do.	An improved process for the manufacture of sodium silicate.
161564	16-10-84	Do.	A process for the preparation of silicon tetrachloride from commercial grade silicon.
161565	16-10-1984	Do.	An improved process for preparation of fumed silica.
163976	25-3-1987	Degussa Aktiengesellschaft, of 6000, of FR. of Fermanuy.	A process for the production of sulphur containing triazine compounds.

1	2	3	4
169015	25-8-87	Degussa Aktiengesellschaft of, 6000, Frankfurt, at Main, Weisst rauenstrasse, 9, F.R. of Germany.	A process for the extraction of industrial hydrogen peroxide from working solution obtained in a conventional gndhraquinone process for exclusive use in Industrial purpose.
169491	14-3-88	Do.	A process for the preparation of a pumpable and sprayable concrete mix and an airplac-ing unit for preparing the said concrete mix.
169577	16-5-1988	Do.	Aqueous pumpable stable suspension of water insoluble silicate capable of binding calcium, ions.
169654	7-7-1988	Do.	Process for dry cationization of galactoma-nans.
163456	25-5-1985	Doutsche Voest-Alpine, Industrieanlagenbau, GmbH, Neusser strasse-111, D-4000, Dusseldorf 1, F.R. of Germany.	Combined melting gastire and a direct re-duction shaft furnace structure.
159038	4-6-1983	Dunlop India Ltd., 57B, Mirza, Ghalib, Street, Calcutta-700016, India.	Process for the preparation of novel accel-erator's useful for the vulcanization of rubber articles.
169473	3-11-1987	Do.	An improved method of smoking and drying of wet rubber sheets.
162970	26-12-85	Du Pont Canada Inc., of Box 2200, Streets-ville, Mississauga, Outario, Canada L5M, 2H3, Canada.	A solution polymerization process for the preparation of high molecular weight polymers of alphaclofins.
164949	26-12-85	Do.	Solution polymerization for the preparation high molecule wight polymer of alpha olefins
164950	26-12-85	Do.	A solution polymerisation process for the preparation high molecular weigh polymers of alpha-ole fins.
165704	25-1-1985	Edward Koppelman, of 4424, Bergame Drive, Encino, USA.	Multiple hearth reaction for thermal treat-ment of carbonaceous materials.
168566	25-11-85	Do.	A process for obtaining moisture free organic, carbonaceous mateial from moist material.
168824	19-10-1987	E.I.Du Pont De, Nemours & Co., Delaware, USA.	An improved polyester fibre fill blen .
168835	19-10-1987	Do.	Polyester fibreballs and process of making same.
169954	1-2-88	Do.	Rigids composite.
169982	28-3-88	Do.	Process for producing an improved cationic dyeable [copolyester draw texturing feed yarn.
170259	7-2-1989	Do.	Process for the preparation of 1,1,1,2-tetra-fluorethane.
158808	31-12-1982	Ferrohume Ltd., of Hasse-11, Chambers, 2, Hassell, Street, New Castle under Lyme, x Staffordshire-ST-5, 1 QB, UK.	Process of refining ferrochromium metal.
159762	31-12-1982	Ferrohume Ltd., Hassell Chambers, 2, Hassell street, New Castle under Lyme, Staffordshire, STS, 1QB, U. K.	Process for the reduction and melting of [ferrochromium.
165323	11-3-86	Fried Krupp. Gesellschaft, Mit Beschränkter, Haftung, of Altendorfer strasse, 103, D-4300, Essen 1, F. R. Germany.	Wear resistant coated metal curbide body and process for producing the same.

1	2	3	4
165250	7-2-1986	Fuel concepts Inc., of -500, Giswald, Detrait, Michigan-248226, USA.	A fueling module for supplying natural gas to a natural gas fueled torch apparatus.
169738	25-4-1988	Do.	An apparatus for sorptively storing a mul ti-constituent gas.
156855	7-4-1982	Gaya Coke Co. Pvt. Ltd., at L-1/53, Sri Krishna-puri, Patna-1, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
170720	15-11-1988	Ges Luftkuhlergesellschaft, Happel, GmbH & Co., of Konigsallee-45-47, 4630, Bochum, West Germany.	Heat exchanger tube.
159536	23-3-1983	General Electric Company, of 1, River Road, Schenectadys, New York, USA.	Improved process for making a sintered high strength polycrystalline abrasive compact.
156855	7-4-1982	Govind Mukund Coal Co., at and P. O. Jamui, Dist. Jamui, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
168991	17-11-1988	Hari Datt Naithani, of D—24, Koelnagar, P.O. Rourkela-14, Orissa, Pin-Code-769014, India.	Desul furisation hot metal such as pig iron or steel.
162158	28-3-1985	Hitachi Ltd., of 6, Kanda Buruzadai-4, Chome, Chiyodaku, Tokyo, Japan.	Process for producing an epoxy resin compo-sition.
169656	11-7-1988	Do.	A high strength sintered composite ceramic body.
168507	29-1-1988	HI-TEK Polymers, Inc., of Georgia, Located at 9814E, Blugrass Parkway Jefferesontown, Kentucky, 40299, U.S.A.	A process for preparing a poly (Alkyl ether) of a polygal actomnanam.
169558	21-7-1988	Hodogaya Chemical Co. Ltd., of 4-2, Toranomori I-chome, minato-ku, Tokyo, Japan.	Process for producing a benzamide deriva-tives.
169757	19-12-1989	Do.	Process for producing novelbenzamide deri-vatives useful as plant growth regulants.
170150	21-7-1988	Do.	Process producing novel benzamide deriva-tive.
169921	15-10-1987	Hoeganaess Corporation, River Road, and Taylore Avenue, Riverton, New Jersey-08077, State of Delaware, U.S.A.	Improved iron-based powder composition having enhanced green properties.
159110	15-2-1984	Hoechst AG. D-6230, Frankfurt an Main 80, Fed. Rep. of Germany.	Process for the preparation of Water soluble. monoazo compounds.
161800	15-2-1984	Do.	Process for preparation of a fiber-reactive yellow ozodyestuff.
165445	20-1-1984	Do.	Process for the manufacture of 4-chlorophnyl-sulfonyl compounds.
165983	02-5-1986	Do.	Process for the preparation of fiber reactive water soluble monoazo compounds.
166634	22-9-1986	Do.	A process for preparing a water soluble azo compound.
166876	18-1-1988	Do.	Process for the production of high purity tetrachlori-1, 4, Benzaquinone.
168265	18-1-1988	Do.	Process for the preparation of water soluble monoazopyrayolone compounds.

1	2	3	4
168388	1-2-1988	Hoechst AG, D-6230 Frankfurt an Main 80, Fed. Rep. of Germany	A process for the preparation of copper complex formazan compounds containing a fiber reactive group suitable as dyestuff.
168801	6-8-1986	Do.	Process for the preparation of halophenyl hydroxyethyl sulfides.
169068	17-7-1985	Do.	Process for the preparation of water soluble monoazo pyridone compounds suitable as dyestuffs.
169076	8-12-1986	Do.	A process for preparing water-soluble triphen- dioxazine compound.
169088	6-2-1987	Do.	A process for preparing aniline compound.
169337	17-7-1985	Do.	Process for the preparation of water soluble pyridone monoazo compounds suitable as dyestuffs.
169390	22-9-1986	Hoechst Aktiengesellschaft, Rep. of Germany.	A process for the preparation of water soluble azo compounds.
170302	25-5-1988	Do.	Process for the preparation of a monoazo dyestuff.
170363	29-8-1988	Do.	Process for the reduction of the ionogenic heavy metal content in the preparation metal complex dyestuff.
169384	2-2-1988	Hydranautics, of 95, Law, Paterlane, Goleta, California, 93117, U. S.	An improved oxidatively resistant membrane process for making same and method of desalinating a saline water there- with.
157795	1-10-1983	ICI, India Ltd., ICI House, 34, Chouringhee, Road, Calcutta-700071, India.	Improved water in-oil emulsion explosive composition sensitive to a No. 6 detonator even when prepared under low shear low speed mixing conditions and method for production of such compositions.
160798	12-10-1981	Do.	Improved water in oil emulsion explosive composition and method of manufacturing thereof.
166441	31-8-1987	Do.	A process for the preparation of an ultra sensitive base charge for a detonator for an explosive compositions.
16392	8-12-1986	Do.	Improved water in oil emulsion explosive composition and method for the manufacture thereof.
167226	27-7-1988	Do.	Improved water in oil emulsion explosive and process for the preparation thereof.
167782	16-3-1988	Do.	Method for the production of an improved slurried of emulsion explosive composition.
162404	26-7-1985	IEL India Ltd., of ICI, House, 34 Chouringhee, Road, Calcutta-700071, West Bengal, India.	Novel slurried explosive composition and method for their manufacture.
160074	7-10-1983	IMI, Titanium Ltd., P. O. Box-704, Witon, Birmingham-B-6, 7, U.R.	Method of manufacturing a weldable alloy of titanium.

1	2	3	4
167933	19-5-1986	ICI, Plc, Imperial Chemical House, Mill Bank, London SW1P, 3JF England.	Process for producing a copolymer comprising PHB & PHV, monomers.
168611	10-11-1986	Imperial Chemical Industries Plc, England.	An aqueous coating compositions.
169884	13-1-1987	Do.	A method for a manufacture of a coated substrate surface.
169889	22-2-1985	Do.	A process for the production of ammonia synthesis gas.
170072	24-2-1986	Do.	Apparatus for conducting endothermic catalytic reactions such as steam reforming hydrocarbons; having a boiling point under 220. degree centigrade to produce carbon oxides and hydrogen and the like.
170167	24-2-1986	Do	Apparatus for conducting an co. endothermic catalytic reforming reaction.
153837	9-6-1980	Imperial Cleveite Inc, of One Plymouth, meeting plymouth, Meeting, Pennsylvania-19462, USA.	Bearing material and method of making same.
169872	10-8-1987	Inco Alloys, Interzational Inc., of Huntington, West Virginia-25720, USA.	A process for producing a nickel-chromium alloy.
170403	7-9-1987	Do.	A process for producing a nickel-chromium-molybdenum base alloy.
170423	8-12-1987	Indian Institute of Science, Bangalore-56, 0012, India.	An improved process for the preparation of a porous carbon electrode having platinum deposited, as a catalyst thereon for use in fuel cells.
154138	23-1-1981	Institute Francais Du Petrole, of 4, Avenue, De Bois-preau, 92502, Rueil Malmason, France.	A composition used in a process for consolidating a geological information.
159123	14-5-1984	Instytut Ciekkiej Syntezy of kedzierzyn-Kozle, Poland.	Method of separating hydrogen chloride from a post reaction mixture derived from the high temperature chlorination of propylene to alkyl chloride.
166596	14-3-1986	International Metals Reclamation Co. Inc., of Ellwood Ellood City, Pennsylvania-16117, U.S.A.	A process for reducing agglomerates.
155432	17-8-1981	ION Exchange (India), Ltd., Maharashtra, India.	Process for the preparation of onion exchange resins.
171159	26-12-1990	Ishihara Sangyo Kaisha Ltd., of 3-22, Edobori, 1-Chome, Nishi-ku, OSAKA, Japan.	Process for producing an imidazolidine derivative.
164738	16-11-1984	Isover Saint Gobain, "Les Meraris", of 18, Avenue d' 'Alsace, 9 & 400, Courbevale, France.	Sizing composition for sizing glass fibres.
165655	24-4-1986	Isover Saint Gobain, France.	Substrate for soil-less cultivation.
167764	12-5-1987	JPI Transporation, Products, Inc., of 325, East Eisenhower Drive, Ann Arbor, Michigan-48104, USA.	A method of producing a powdered metal aluminum base bearing material.
154121	15-7-1981	Johnson & Johnson, of 501, George Street, New Brunswick, New Jersey, USA.	A method for forming, a body fluid absorbent from heat moess & absorbent so prepared.

1	2	3	4
156855	7-4-1982	Kakan Special Smokeless Fuel Pvt. Ltd., at Maulabagh, Arrah, Distt. Bhojpur, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
161983	17-1-1984	Kamterter Inc. of 1025, North 33rd Street, P.O. Box 30327, Lincoln, Nebraska, 68503, USA.	Apparatus and process for making ammonium nitrate salt solutions from ammonia.
162512	13-2-1984	Do.	Method and apparatus for making nitric acid solution.
165941	17-1-1984	Do.	An apparatus for preparing a dilute solution of nitric acid from nitrogen oxides and water.
165942	17-1-1984	Do.	Apparatus and method for making nitrogen fertilizer.
165943	17-1-1984	Do.	Apparatus and method for oxidizing ammonia.
165944	17-1-1984	Do.	Apparatus for converting any nitrogen oxide to liquids having nitrate ions.
166844	26-3-1987	Kawasaki Jukogyo Kabushiki Kasha, of 1-1, Higashikawasa i-cho-3, Chome, Chuo-ku, Kobe Japan.	Plant for manufacturing cement clinker.
168226	13-7-1987	KM-Kabelmetal Aktiengesellschaft, of P.O. BOX, 3320, Klosterstrasse, 29, D-4500, Osnabruck, FRG, Rep. of Germany.	Process for the manufacture of copper alloy for use as material for the manufacture of continuous casting ingot moulds.
168550	30-3-1988	Kotec AG, of Baaresstrasse, 21, 6300, Zug, Switzerland.	Charging material preheater for preheating charging material for a metallurgical smelting unit.
165795	2-6-1986	Klwas Schonert, Tannenhohe 4, 3392, Clays-thal, Zepler fejd, Fed. Rep. of Germany.	Method for obtaining rare/mineral concentrates from raw ores/raw materials and a Jig therefor.
162385	1-7-1985	Krauss-Maffei, AG, of Krauss- Maffelstrasse 2, 8000, Munchen, 50, F.R. of Germany.	Method of drying in particular finely granular solid particles in a fluidised bed and a fluidised bed drier for carrying out the method.
169836	12-4-1989	Laboratori Guldotti, SPA, of Via, Trieste 40, 56100, Pisa, Italy.	Process for the preparation of amides of cyclomethylen-1, 2-bicarboxylic acids having therapeutical activity.
167585	14-7-1986	L'Air Liquide, 75 quaid' orsay, 75007, Paris, France.	Process for oxygenic air separation into its component gases and an air distillation system for carrying out the process.
167653	1-6-1987	Lanxide Technology Company, LP, 1300, Marrows, Road, Newyork, Delaware, USA.	Method for producing abrasive materials.
167655	8-9-1987	Do.	Method for producing self supporting ceramic composite bodies.
168227	4-9-1987	Do.	Method for producing substantially pure alumina material.
168383	2-9-1987	Do.	Method for producing self supporting ceramic bodies with refined microstructures.
168483	7-9-1987	Do.	Method for producing a self supporting ceramic composite.

1	2	3	4
168484	7-9-1987	Lanxide Technology Company, LP, 1300, Marrows, Road, Newyork, Delaware, USA.	A method of producing a self supporting ceramic composite.
168485	8-9-1987	Do.	Method for producing a ceramic composite body.
168486	15-9-1987	Do.	An improved method for producing composite ceramic structures using dross.
168487	15-9-1987	Do.	Production of ceramic and metal composite articles incorporating filler materials.
168503	13-1-1988	Do.	A method for producing a self-supporting ceramic composite structure.
168735	4-9-1987	Do.	A method for producing self-supporting ceramic body.
168823	8-9-1987	Lanxide Technology, Company, LP, USA.	Method for producing self-supporting ceramic bodies with graded properties.
168834	4-9-1987	Do.	Method for producing an atleast partially coated self supporting ceramic composite structure.
168903	1-1-1988	Do.	Method for producing a shaped ceramic component.
168941	4-9-1987	Do.	A method for producing self supporting ceramic body.
169016	14-9-1987	Do.	A method of producing a foamed ceramic article.
169021	1-1-1988	Do.	Method for producing mold-shaped ceramic bodies.
169041	4-1-1988	Do.	A method for producing a self-supporting ceramic composite comprising metal carbide.
169042	4-1-1988	Do.	A method for producing self-supporting ceramic composite.
169536	1-7-1988	Do.	A method for producing direct contact heat storage medium.
169537	4-7-1988	Do.	Methods for forming complex oxidation reaction products including superconducting articles.
169576	11-5-1988	Do.	A method for producing a metal matrix composite.
169580	19-5-1988	Do.	Method for surface bonding of ceramic bodies.
169559	14-7-1988	Do.	Method of producing self supporting bodies.
169718	6-12-1988	Do.	Method of producing a self supporting ceramic body.
170603	3-8-1988	Do.	Method for producing a self supporting ceramic composite body.
170604	6-12-1988	Do.	Method for producing a self supporting ceramic body.

1	2	3	4
170722	2-1-1989	Lanxid Technology, Company, LP, USA.	Method for producing a metal matrix composite.
171077	9-9-1987	Do.	Method for producing self supporting ceramic composite structures.
171088	9-7-1987	Do.	A method for making a self supporting ceramic article.
171214	8-2-1989	Do.	A method for producing a protective layer on a ceramic body and a method of using a ceramic body.
165279	18-9-1985	Lenox Institute, for Research Inc. of 101, Yokun, Avenue, Lenox, Massachusetts-01240, USA.	Apparatus for treatment of unclarified water.
170772	11-5-1988	Leonard J Rautenberg, Milt, of, West Creek, Farms Road, Sand Point, New York-11050, USA.	Method of producing an elastic laminated water proof moisture-permeable fabric.
168525	6-6-1988	Lucky Biotech Corporation of 4560, Horton Street, Emeryville, California-94608, USA.	Process for producing novel proteinaceous sweeteners.
170251	13-4-1988	Lyminis PTY, of 233, North Terrace, Adelaide, 5000, South Australia.	Method and apparatus for mixing first and second fluid.
156855	7-4-1982	MAA. SHARDA COKE Mfg., Co/ Pvt.Ltd., at P.W.D. office Road, P.O. Burhari, Dist. Shahadol, (M.P.), 494110, India.	Continuous carboniser for the production of domestic coke from coal.
157529	25-3-1982	Magnesium Electron Ltd. of Lumn's Lane, Clinto Junction, Swinton, Manchester, England.	A method of making a magnesium alloy.
168942	18-9-1987	Magyar Aluminiumipari, Troszt, of Bydapest-XIII, Pozsonyi, yt, 56, Hungary.	Process for obtaining gallium from sodium Aluminate solution by cementation.
164167	21-11-1985	Magyar Szenludrogenipari, Kutato-Fejleszt, Intezet, of 2443, Szazhalombatta, Hungary.	A process for the increased production of crude oil from vertically no homogeneous crude oil reservoirs.
1568	7-4-1982	Maharani Fuels Pvt. Ltd. at 47, Sardar, Patel Path, North S.K. Puri, Patna-13, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
161608	22-10-1984	Mannesmann AG, Mannes Mannufer 2, of D-4000, Dusseldorf 1, West Germany.	Process for the reduction of oxide iron ores to produce sponge iron.
162596	7-12-1984	Do.	Process for the production of ferrochromium.
161027	13-5-1986	Mannesmaun AG, of Mannesmannufer 2, D-4000, Dusseldorf 1, West Germany.	Process for the reduction of iron-containing chrome ores.
165587	23-9-1986	Do.	Cunter current fluid cooled discharge screw for use in a rotary hearth furnace.
167906	13-8-1986	Do.	An improved process for the preparation of unalloyed steels.
169801	27-10-1987	Mccormick & Company, Incor of 11350, Mccormic RD, Hunt Valley, Maryland 21031, USA.	Method of an apparatus for producing a sterilized raw vegetable product.
165699	3-6-1987	Meiji Seika Kaisha, Ltd. of 4-16, Kyobashi, 2-chome, Chuo-ku, Tokyo, Japan.	Process for the production of L-2-Amino-4-(Hydroxymethyl) phosphatobuturic acid.

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168117	18-8-1987	Melamine chemicals Inc, of 811, Rail road, Avenue, Donald sonville, Louisiana 70346, USA.	Method of producing an alteration-resistant, controlled release fertilizer particle composition.
170148	18-8-1987	Memamine Chemicals Inc, of 811, Railroad, Avenue, Donald Sonville, Louisiana 70346.	Method of producing an attrition-resistant, controlled release fertilizer composition.
170677	18-8-1987	Do.	Method of producing a base component for using in the production of fertilizer particle composition.
168573	18-3-1987	Merck Patent G.M.B. H, Fed. Reb. of Germany.	Process for the preparation of coloured platlet shaped pigments containing iron oxide.
169017	23-10-1987	Merck Patent Gesells chaft, Mit Beschränkter, Haftung, Frank furter Str. 250, D-6100, Darmstadt, F.R. of Germany.	Process for preparing pearllaustr pigments based on metal oxide coated mica flakes.
169774	9-8-1988	Do.	Process for the preparation of colour lustre pigments.
161410	13-1-1982	Metafuse Ltd, of 20, Meteor Drive, Roxdale, Ontario M9W, 1A5, Canada.	A process for preparing an article by fusing a matrix of a first electrically conductive chemical element with of least one second electrically conductive chemical element which is in a dissociable form a part of a solution.
157095	18-6-1982	Metallgesellschaft AG, of 16, Frank furt, A.M., Reuterweg, West Germany.	Process for the production of sponge iron by a direct reduction of iron ores in a rotary kiln.
157655	18-5-1983	Do.	Process of regenerating absorbent solutions for sulfur containing gases.
163966	7-5-1986	Do.	A process of producing disposable pollution free ash from cattle dung.
164017	23-7-1986	Do.	Apparatus for removing oversize from the hot material discharged from a rotary kiln used to produce sponge iron by a direct reduction of iron oxide containing materials.
164140	31-7-1986	Do.	Process for a direct reduction of iron oxide containing materials to form sponge iron in a rotary kiln.
164695	3-3-1986	Do.	Process for carrying out high temperature reactions.
165700	5-6-1987	Do.	Fluidized bed system.
167361	8-1-1988	Do.	Process of making binderless briquets from steel works dusts.
167377	14-8-1987	Do.	Process for recovery of valuable gases from a laden absorbent solution.
167561	6-7-1987	Do.	Apparatus for the purification of gases.
167696	14-8-1987	Do.	Process of disulfurizing a first and a second gas each gas containing and sulphur compounds.
168511	12-2-1983	Do.	A process of producing elementary from hydrogen sulfide-containing feed gas.

1	2	3	4
169432	28-11-1986	Metallgesellschaft AG, of 16, Frankfurt, M.M. Reuterweg, West Germany.	Process for reducing finegrained iron oxide containing material by means of solid carbonaceous reducing agents.
169471	31-7-1987	Do.	A spray observer for a vertical flow of gas for purifying exhaust gases.
169472	14-8-1987	Do.	Process of treating two laden absorbent solution streams.
169531	8-6-1988	Do.	Process for the direct reduction of iron oxide containing material in rotary kiln.
169929	11-1-1988	Do.	Process of directly reducing iron oxide-containing materials in rotary kiln.
162929	22-7-1986	Metallurgical & E. C (I) Ltd., of Dora-ja, Ranch, 834002, Bihar, India.	Tuyere stock for blast furnace.
165001	20-6-1986	Do.	Plant for cleaning deposits from the gas side of vertical type primary gas cooler for coke oven gas.
166890	25-1-1990	Do.	Improved tuyere stock for blast furnace.
162925	21-4-1980	Metaux Speciaux, S.A. Tour Manhattan, La, Defense 2, 5, 6, place de l' Iris-92087 Paris, La, Defense, France.	Process and apparatus for purifying lithium
163288	4-3-1986	Mitsui Toatsu Chemicals, Incorporated, of 2-5, Kasumigaseki, 3-chome, Chiyoda-ku, Tokyo, Japan.	Process for the purification of a solution containing methacrylic acid and trace impurities.
164339	15-4-1986	Do.	An improved process for preparing acrylamide crystals from aqueous solution of acrylamide.
164574	14-3-1986	Do.	Improved process for the preparation of (METH) acrylamide.
168763	2-11-1987	Mitsubishi Mining and Cement of 5-1, Marunouchi 1, Chome, Chiyoda-ku, Tokyo-100, Japan.	Finely pulverized solid fuel burner.
168544	30-11-1987	Mitsui Petrochemical Indu, of 2-5, Kasumigaseki-3, chomechiyoda-ku, Tokyo, Japan.	Process for the production of high purity terephthalic acid.
155958	7-1-1982	Mitsui Toatsu Chemicals, Inc. & Toyo, Engineering Corporation, Japan.	Continuous Bulk polymerization reactor.
164816	27-3-1986	Do.	A continuous treating process of a rubber modified styrenic polymer compositions.
161868	24-5-1985	Do.	An improved process for producing styrene base resin.
161945	29-10-1983	Do.	Continuous process for producing rubber modified high impact resins.
168005	7-7-1987	Mitsui Toatsu Chemicals, Inc, of 2-5, Kasumigaseki-3-Chome, Chiyoda ku-Tokyo, Japan.	Manufacturing process of chlorine.
165826	27-1-1987	Do.	A process for the synthesis of acrylamide.
168515	7-3-1988	Do.	A process and reactor for producing chlorine.
168732	22-6-1987	Do.	Production process of chlorine.

1	2	3	4
169092	12-2-1987	Mitsui Toatsu Chemicals, Inc., of 2-5, Kasu-migasaki 2-Chome Chiyoda-ku-Tokyo, Japan.	Process for producing chloride by oxidizing an off-gas hydrocarbon in a reaction step.
169056	8-7-1988	Do.	A method for producing methacrolein.
170143	1-12-1988	Do.	Process for the preparing of acrylamide.
170253	24-6-1988	Do.	A process for obtaining methacrolein and methacrylic acid from a reaction product gas obtained by known catalytic oxidation of isobutylene, tertiary butanol methacrolein or iso butyl aldehyde.
170713	24-6-1988	Do.	Process for the purification of methacrylic acid.
169549	17-12-1987	Morton Thioko Inc., of Station Tower Station Square Coventry, CV-12 GH, England.	A method of manufacturing a polymeric sheeting.
156855	7-4-1982	Namam Smokeless Fuel Industries Pvt. Ltd., at East Nand Gola, Patna-City-800 008, Patna, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
167371	19-6-1986	Neste oy, of Keilaniemi, 0215, Espoo, Finland	Method for producing a modified polyolefin.
167983	5-10-1987	Neutrolisis Industries Pty., Ltd, of 2 Leeds, Street, Rocklea, Queensland-4106, Australia.	A method for the treatment of domestic and industrial waste materials.
166878	20-4-1988	NGK Insulators Ltd, of 2-36, Suda-cho, Mizuhoku, Nagoya city, Aichi pref, Japan.	A suspension insulator.
167946	29-2-1988	Do.	A process for producing high strength products for use in insulators.
156855	7-4-1982	Nirbhoom, Indhan, at PTIPS, Patratu, P.B No. 7, Dist. Hazari bagh Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
164737	3-3-1987	Norddeutsche Affinerie AG of Alsterteuasse, 2, D-2000, Hamburg 36, West Germany.	Process for producing copper hydroxide.
156561	17-11-1982	Nordfab A/s, Industriblade, 13, assens, DK, 9350, Mariager, Denmark.	Filter apparatus and fabric filter bag.
164458	30-4-1986	O. & K. Orenstein & Koppe, AG, Brunstutteler Damm, 144-208, 1000, Berlin, F.R.G.	Process and apparatus for the manufacture of white cement.
166854	13-5-1986	Do.	Process for heat treating fine grained material.
167307	13-5-1986	Do.	Apparatus for cooling white cement clinker.
168491	26-10-1987	Orgel, of 18, Avenue, of Alsace, 92400, Courvevoie, France.	Gross micro fibre based paper and high performance aerosol filter battery separator element or composite paper comprising said glass micro paper.
169454	28-1-1988	Oy' Santasalo-Sohlberg, AB, Teollisuusite-2, 04300, Hyryla, Finland.	Distilling apparatus.
156855	7-4-1982	Pawan Wires Pvt. Ltd, at P.W.D., Office, Road, P.O. Burhar, Distt: Shahdol (MP) 484110, India.	Continuous carboniser for the production of domestic coke from coal.
165518	21-7-1986	Pfizer Corporation, of Calle-15, Avenida Sante, Isabel, Colon, Rep. of Panama.	Process for producing a novel overmenton compound.

1	2	3	4
153410	2-2-1981	Phillips Petroleum Company, of Bartlesville, Oklahoma, USA.	Process and apparatus for producing carbon block.
157816	4-8-1982	Do.	A process and apparatus to produce carbon block.
163533	19-9-1984	Do.	Process and reactor for producing carbon block from a carbonaceous feed stock.
168084	9-3-1987	Do.	A process for preparing a polymeric craze-resistant low colour transparent linear resinous block copolymers.
168085	9-3-1987	Do.	A process for the preparing a polymeric craze-resistant low colour, transparent linear resinous copolymers.
168443	3-8-1987	Do.	An improved water dispersible polymeric composition and a process for preparing the same.
170952	1-9-1986	Do.	Process for olefin polymerization.
165947	3-8-1987	Research Association for Residual oil Processing of 9-12, Uchikenda, 1-chome, chiyoda-ku, Tokyo, Japan.	Process for the recovery of carbon from aqueous carbon slurry.
164535	15-11-1985	Revlon Inc. of the State of Delaware, 767 fifth, Avenue, New York, USA.	Process for forming a fatty acid diester.
156855	7-4-1982	Rewa Fuels, at 2, H.I.G. Sirmour Chowk, Rewa (MP), India.	Continuous carboniser for the production of domestic coke from coal.
169266	3-10-1986	Royal Ordnance PLC, of Griffin House, 5, The Strand, London-WC2N, 5BB, England.	Explosive shell.
169504	3-10-1986	Do.	Explosive projectile.
158900	8-2-1983	Secretary of State for Defence, of White, Hall, London SW1A, 2HB, England.	Process for the production of an aluminium base alloy.
159479	27-6-1983	Do.	Liquid crystal devices.
160070	23-9-1983	Do.	A process for the production of an aluminium base alloy.
161282	28-1-1984	Do.	Liquid crystal composition.
171235	1-9-1988	Sack BAKER Ltd, of 6, Poole Road, Withbourne, Dorset, England.	Separator for separating a mixture of liquids.
156855	7-4-1982	Shanti Coal Pvt, at Shanti Complex, Kothi Bazar, Dist: Betal (MP) India.	Continuous carboniser for the production of domestic coke from coal.
156855	7-4-1982	Shikha Coal & Coke at C/o. M/s. Chhaparia Gas Services, P. B. No. 40, North, Officepara, Doranda, PO Hino, Ranchi-834002, Bihar, India.	Continuous carboniser for domestic coke from coal.
168549	29-12-1987	Shimuzu Construction Co, Ltd of 16-1, Kyubashi, 2-chome, chuoko, Tokyo, Japan.	Method of manufacturing concrete and apparatus therefor.
170052	11-7-1978	Shinkohjinkasei, Co. Ltd., of 1-1, Kouko-kumachi, Yatsushiro City, Kumamoto	A process for preparing of functional regenerated regenerated cellulose composition.
156855	7-4-1982	Shyam Coal & Coke, at C/o. Ganesh Kumar Sonthalia, Main Road, Giridih-815301, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.

1	2	3	4
170728	17-4-1989	Siepa Holding SA, of Burgstrasse 17, CH- 8750 Glarus, Switzerland.	Security document-printing ink.
162403	9-4-1984	Siemens AG, West Germany.	Polyolefin based electrical insulating material.
159250	17-1-1983	Sir, Padampat Research Centre, Rajasthan, India.	A process for dyeing filaments of wet spun acrylonitrile copolymer.
159285	11-2-1983	Sir, Padampat Research, Centre, a Division of, J. K. Synthetics Ltd, J. K. Nagar, Kota-324003, Rajasthan India.	A process for the preparation of a mono-tricarboxylic acids and their salts.
166330	21-11-1983	Socite Des Electrodes, ET, Refractaires, Savoie (SERS) of 12, rue du General Foy, 75008, Paris, France.	A mixed refractory block for use in aluminum electrolysis cells or furnaces..
156855	7-4-1982	Sohna Construction Pvt. Ltd., at 7146-Block D, Pocket-7, Vasant Kunj, New-Delhi, India.	Continuous carboniser for the production of domestic coke from coal.
165924	18-1-1988	SPA Society, Protti Antibiotici, S.P.A., Via, Biella, 8, 20143, Milan, Italy.	Process or the preparation of the famycin derivative salts.
168911	18-1-1988	Steven Alexander McAllister, of 327, — 78, Bellvue Crsnt, Clearbrook, British Columbia, Canada-V, 255K3.	A concentrator for separating particulate material of higher specific gravity.
153209	14-10-1980	Sumitomo Chemical Company Ltd, of 15, Kitahama Osaka, Japan, 5-chome Higashi-ku, Japan.	Improved process for producing-1, 4-diamino-2, 3-dicyanooanthraquinol.
153740	6-3-1981	Do.	Process for producing monoalkalisalt of 1-amino 8-naphthol-3, 6-disulfonic acid.
163746	29-7-1985	Do.	Method for recovering a metal adsorbed on an chelating agent.
168966	29-3-1988	Do.	Process for recovery of gallium by chelate resin.
163670	13-6-1986	Surgikos Inc. 2500, Arbrook, Boulevard, P. O. Box, 130, Arlington, Texas, New Jersey, U.S.A.,	Process for sterilizing.
170601	12-7-1988	Do.	Method for sterilization of articles and a device therefor.
170602	12-7-1988	Do.	A process for vapor sterilization of article to render them free of micro organism.
155315	7-4-1983	Sushita Chemicals Pvt. Ltd., at Kazipur, Road No. 3, Patna-800004, Bihar, India.	Continuous carboniser for the production of domestic coke from coal.
151937	26-9-1983	Techumseh Products Company of 100, Pattern Street, Tecumseh, Michigan, 49286, U.S.A.	A process for preparing a composition for chemically freighting /s, cationing (Poli hing etaching metals and metallic alloys.
162812	18-2-1985	Texaco Development Corporation of 2000, Westchester, Avenue, White Plains, New York- U.S.A.	Synthesis gas generation process with control of ratio of steam to dry gas.
165846	24-6-1986	Do.	A process for the production of gaseous mixture comprising hydrogen and carbon-monoxide.
166843	18-2-1987	Do.	An improved method for producing an aqueous slurry comprising solid carbonaceous fuel and recycle carbon containing particulate solids of a desired solids concentration.
169005	25-1-1987	Do.	A process for the production of gaseous mixtures comprising H ₂ +Co by the partial oxidation of a fuel feedstock.

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166260	2-9-1986	The Additional Secretary, Defence Research, Ministry of Defence, Govt. of India, New Delhi, India.	An improved process for the preparation of dialkyl aryl acetamides.
154977	10-12-1981	The British Petroleum Company, Ltd., Britannic House, Moor, Lane-London, EC2Y, 9BU, England.	A flare.
166740	11-9-1987	The Director, Central Council For Research in Ayurveda and Siddha, S-10, Green Park Extension, Market, New Delhi-110016, India.	A process for the preparation of a medicated oil from wrightia lindtoria.
162236	23-8-1984	The Director, Thapar Institute of Engineering & Technology, Patiala-147001, India.	A respirometer for testing the biochemical oxygen demand of a waste water sample.
167479	28-1-1985	The Lubrizol Corporation, of 29400, Lakeland Boulevard, Wickliffe, Ohio-44092, USA.	Improved process for making substituted carboxylic acid.
167643	28-2-1983	Do.	A nitrogen containing organic additive in the form of composition or concentrate.
168250	16-10-1985	Do.	A liquid lubricating composition having improved antioxidant characteristics.
169960	4-9-1989	The Research Foundation, for Microbial Diseases, of Osaka University, C/o Osaka University, 3-1 Yamadaoka, Suita shi Osaka, Japan.	A method for producing a non-A, non-B, Hepatitis virus antigen peptide.
166382	20-1-1986	The Secretary of State for Defence, of White hall, London, SW1A, 2 HB, England and of Brown Road, Poole, Dorset BH-12, 4-NN-England..	Liquid crystal Compositions.
166851	11-11-1985	Do.	A ferroelectric smectic liquid crystal mixture
159215	29-11-1982	Thiokol Corporation, of P.O. Box, 1000, New town, Pennsylvania, 18940, USA.	A process for preparing thioether-modified sealant compositions.
165862	17-1-1986	TLV Co, Ltd. of Hibiyakokusai Bldy. 8F, 2-3, Uchisaiwai-cho, 2-chome, chiyoda-ku, Tokyo, 100, Japan.	Gas-water separator.
160095	01-11-1983	T & N Material, Research Ltd., of 20, St. Mary's Parronage, Manchester M3, 2NL, England.	Non-asbestos flexible sheet material.
166702	8-12-1986	Uhde GmbH, of Friedrich-Uhde-Str. 15 4600, Dortmund 1, F.R. of Germany.	Device for use in a process for the manufacture of a product gas containing hydrogen and carbon oxide.
166040	22-6-1988	Unilever Plc. of Unilever House, Blackfriars, London EC -4, England.	Process for the preparation of a particulate tea product.
156855	7-4-1982	Vandana Pvt. Ltd. at 203, 2nd Floor, Karan Centre, S.D. Road, Secunderabad-500003, Andhra, India.	Continuous carboniser for the production of domestic coke from coal.
168568	2-9-1989	Vitamins Inc, of 200, East Randolph, Drive Chicago, Illinois, 60601, U.S.A.	Apparatus for extracting liquids from solids.
164489	18-4-1986	Voest Alpine AG, A-1011, Vienna, Friedrichstrasse 4, Austria.	An improved process for the production of sponge iron with the simultaneous generation of top gas.
169922	15-10-1987	WNC-Nitrochemie, GmbH, of D-8261, Aschay, West Germany.	Process for the preparation of propellant charge powder.
170057	22-9-1988	Zhao Shengcui, of No. 17, Shuvan Ta East, Street, Taiyuan, Shvanxi, Pmpvince, F.R. China.	Process for preparing polyurethane plug for contraception use.

COMMERCIAL WORKING OF PATENTED INVENTIONS

ELECTRICAL ENGG. INDUSTRY LIST NO. II.

The following Patents in the field of Electrical Engineering Industry are not being commercially worked in India as admitted by Patentees in the statements filed by them under section 146(2) of the Patents Act, 1970 in respect of calendar year 1993, generally an account of want of request for licences to work the patented invention. Persons who are interested to work the said patents commercially may contact the patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of the Patentee.	Title of the Invention
170111	7-6-1988	AEG Kabel Aktiengesellschaft, of Bounenbroicher, strasse, 2-14, D-4050, Monchengladbach, 2, West Germany.	An improved high frequency cable for the transmission of high frequency signals.
168765	26-11-1987	Bailey Japan Co, Ltd, & NIP, of 551, Baraki, Niryana-cho, Tagata-Gun, Shizuoka, Japan.	Electric actuator for a control valve.
171090	21-7-1988	Bindicator compahy, 1915, Dave Street, Port Huron, Michigan 48060.	A system for indicating level of material in a vessel.
168677	1-4-1989	Borden Inc. USA, of 180, East Broad Street, Columbus, Ohio, 43215, USA.	Electrodes.
152282	23-2-1980	British Aerospace of 100, Pall, London, SW1Y, SHR, England.	Improved V.H.F., antenna with tuned circuit.
168886	15-12-1986	British Telecom Munciations Plc, of 81 Newgate Street, London, EC1A, 7AJ, England.	A system for routing telecommunication traffic through a circuit switched network.
170204	17-11-1987	Do.	A video coding apparatus.
170322	28-9-1987	Do.	An apparatus for translating phrases from a first language into a second language.
168794	4-6-1983	Do.	Optical transmission.
163795	12-6-1985	Do.	Electronic tracking system for micro-wave antennas.
171236	6-10-1988	Ceda Spa Construzioni Electromeccaniche, E. Dispit of Via, Nazionale-34, 33042, Buttrio (UD), Italy.	Device to measure the level of liquid metal in a crystallizer of a continuous casting ingot mould.
155263	8-8-1980	Degussa Ag. of Frankfurt/Main-6450, Hononi, Post, fech-1345, F.R. Germany.	A process for producing an electrical contact based on silver and tin oxide.
153576	8-12-1980	De Nora Permelec, S.P.A, of Via, Bistolfi, 35, 20134, Milan, Italy.	Electrode for electrolysis cells.
168827	24-11-1987	Dr. Allan Shaw professor, Riddellscout, Luxton, of 5th Floor, security House-233, North Terrace, Adelaide, Australia.	Air conditioners.
168952	12-8-1987	Eaton Corporation, of 111, Superior Avenue, Cleveland, Ohio-44114, USA.	Electro magnetic contactor having improved structure and assembly.
169987	7-4-1989	Electrometal Ltd, 3C, Camac, Street, West Bengal, India.	Connector for cables.
164992	10-2-1986	Energy Conversion Trust, of 5, The Parade, Edridge Road, Crowborough, Sussex, England.	Energy converter.
163477	19-2-1986	Equipment Merchants, International, Inc, of 1203, West 65th Street, Cleveland, Ohio-44102, USA.	Moding register system.
167867	25-9-1987	Fabrique National Nouvelle, Herstal, en abregé, FNNH; Société, anonyme, of voie de, liege, 33, 4040 Herstal, Belgique.	Telescopic grenade.

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162848	13-12-1983	Focas Ltd, of chemcy Manor, Industrial Estate, Swindon, SN2-2PJ, England.	A fibre optic cable assembly installed with high voltage equipment.
152734	14-5-1980	General Electric Company, of 1, River Road, Schenectody, New York, 12345, USA.	Improved impregnation capacitor.
153617	27-3-1981	Do.	An electrical capacitor electrode foil method of manufacturing the same and an electrical capacitor having such foil.
154216	24-6-1981	Do.	Electric power supply system more particularly to power supply for electricity propelled traction vehicles.
165023	21-2-1986	Do.	A system for controlling the operation of an alternating current induction motor.
156661	4-2-1982	Do.	An electrical capacitor.
158340	2-9-1982	Do.	System for providing protection for a high voltage transmission line.
168918	27-5-1988		Cross tie for induction motor device.
169018	6-11-1987	Do.	A laminated insulating member.
169597	30-5-1988	Do.	Apparatus for controlling the electrical power to an alternating current motor/or a polyphase alternating current source.
169737	22-4-1988	Do.	Capacitor containing an adsorbent material.
169983	4-5-1988	General Electric Company, of 1, River Road Schenectody, New York, 12345, USA.	Apparatus for induction motor drive.
170304	29-8-1988	Do.	A system for receiving and decoding a television signal.
170017	28-7-1988	Goldstar Co., Ltd, of, 20, Yoido-Dong, Yongdungpo-ku, Seoul, South Korea.	Timer circuit.
170020	26-8-1988	Do.	Intermediate frequency converter for multiplex, broadcasting, TV, receiver.
164539	20-6-1986	Heninz Krug of Care Akademie Mery Station, 24, NL-6063, NP Vloderp, The Netherland.	Circuit arrangement for testing in tergrated circuit components.
168996	4-8-1987	Henry K. Obsermeyer, 36, Wickhans Fancy, Rivers Edge Road, collinsville, Connecticut-06022, USA.	A hydroelectric power installation.
163669	20-8-1985	Hitachi Ltd, Construction, Machinery Co, Ltd, of 62, Ohtemachi-2-chome, Chiyoda-ku, Japan, Tokyo.	Microprogram load unit.
164649	1-10-1986	Do.	Electric power plant automatic control apparatus.
168447	20-8-1987	Do.	Data Communication apparatus.
168572	12-1-1987	Do.	Control system for controlling input power to hydraulic pumps of hydraulic dividing system.
168574	28-4-1987	Do.	Variable speed pumped storage power generating system.
165796	6-8-1986	Do.	A test system for testing a program in a distributed processing system.
165843	27-5-1986	Do.	Apparatus for the system structure recognition for a multidoop transmission system.
166628	1-6-1987	Do.	A message processing system.

1	2	3	4
166626	4-5-1987	Hoesch Aktiengesellschaft, of Eberhardstrasse-12, 4600-Dortmund, 1, West Germany.	Centre-free large antifriction bearing with integrated electrical direct drive.
169389	11-8-1986	Hollandse Sig aalapparaten, B.V. of Zuidelijke, Havenweg-40, 7550-GD, Hengelo, The Netherlands.	Pulse radar apparatus.
154810	29-6-1982	Imperial Clcvite Inc. of-2550, Golf Road, Rolling Meadows, Illinois-60008, USA.	Electroplating apparatus.
156465	8-12-1981	Do.	An electro plating apparatus and a method of electro plating wire said apparatus.
166749	19-1-1987	John. J. Vithayathil, of 3814, N.E. 136th, Place, Portland, Oregon, 97230, USA.	Apparatus for rapid adjustment of network impedance.
169083	9-9-1987	Klockner Cra, Patent GmbH, Klocknerstrasse 29, 4100 Duisbyrg, 1, A-West Germany.	An improved process for producing metallic smelts in electric furnace.
166081	15-5-1986	Korona Messtechnik Gossay, of St. Galler, Strasse 23, CH-9202, Gossay, Switzerland.	Control apparatus for the electronic detection in alternating current transmission lines of fault locations causing power losses.
159078	19-8-1983	Krone AG, of Beeskowdamm, 3-11, D-1000, Berlin, 37, West Germany.	Clamping element for connecting electric conductors without welding screwing and baring.
162742	11-4-1984	Do.	Terminal elements for cable wires and drop wire cables.
166064	16-4-1987	Do.	Connector bank for cable wires in particular of telephone cables.
167169	17-3-1988	Do.	Wire connector for cable wires.
163228	25-3-1985	Kett, Electric Laboratory, of 8-1, Minomi-Magome-1-Chome, Ota-ku, Tokyo, Japan.	Electric moisture meter.
168899	15-6-1988	Krone AG of Beeskowdamm, West Germany.	Connector bank for telecommunication device.
168989	25-11-1987	Do.	Device for connecting cable wires to cutting clamping contracts of dropwire connector banks or telecommunication systems
169513	16-5-1988	Krone AG, F.R. of Germany.	A frame for holding connector banks for connecting cables in telecommunication systems.
169696	30-8-1988	Do.	Thermal protection device for over voltage suppressors mounted in over voltage suppressor magazines of communication systems.
169207	5-2-1987	Lacrex SA Brevetti, of Via, Eco-Cosa Luce, CH-6644, Orselina, /TI, Switzerland.	Contact breaking ignition plug.
161403	2-2-1985	Madhab Anant Date & Vithal Narasinha Kamat, of C/o D.D. Prabhu, Saraswati Niket, 5, Canac Street, Calcutta, 700017, West Bengal, India.	A static single phase kilowatt hour meter.
153086	1-9-1980	Magnesium Elektron Ltd of Humn's, Lane, Clinton Junction, Swinton, Manchester, England.	An electric primary cell.
165457	10-6-1986	Mannesmann AG, F.R. Germany.	Method and apparatus for melting metal material.
162182	8-3-1984	Massey Ferguson SA, Netherland, Antilles.	Transmission ratio selector mechanism.

1	2	3	4
162422	8-3-1984	Massey Ferguson SA, Services, N.V. Abraham Do, Veerstraat, 7-A, Curacao, Netherland, Antilles.	Vehicle transmission.
161408	30-3-1985	Matsushita Electric Industrial Co. Ltd, of 1006, oaza, Kodoma, kadoma-shi, Osaka, Japan.	A solar battery package.
163802	21-2-1985	Metallgesellschaft, Aktiengesellschaft, of Reutereg. 14, D-6000, Frankfurt, am, Main, F.R. of Germany.	Collecting electrodes for dust collectors.
165046	24-3-1987	Do.	Electrode assembly for gas producing electrolyzer comprising vortical, plate electrodes.
165150	2-7-1987	Do.	Dust-collecting electrostatic precipitator.
168338	8-7-1987	Do.	Corona discharge electrodes.
163969	28-9-1987	Metallurgical & Engineering Consultants (India) Pvt. Ltd, of Doranda, Ranchi-834002, Bihar, India.	Electric motor driven vehicle.
166070	31-8-1987	Do.	System for detecting leakage of water from blast furnace tuyere(s).
168444	7-8-1987	Mitutoyo Mg. Co, Ltd, of 31-19, Shiba, 5, chome, Minato ku, Tokyo-108, Japan.	Optical type displacement detecting device
166063	12-3-1987	MWB, Messwandler-Bya AG of Nurnberger, Strasse 199, D-8600, Bamberg, West Germany.	Combined high voltage current and voltage 2 transformer.
157022	9-3-1983	Narashinha Govind Kamat, C/o. D. Prabhu 5th Floor, Saraswati Niket5, Camac Street, Calcutta-700017, West Bengal, India.	Improvements in or relating to single phase or polyphase kilowatt house meters or energy meters.
170054	28-7-1988	National Computer systems, Inc. of 11000, Prairie, Lakes Drive, Edenprairie, Minnesota, 55344, USA.	A device for detecting variations in the expected velocity of a document scanned by scanning means.
165690	26-10-1987	NGK Insulators, Ltd, of 2-56, Suda-cho, Mizuho-ku, Nagoya city, Aichi pref, Japan.	High voltage porcelain insulators.
166467	27-2-1987	Do.	Pollution proof insulators.
169049	16-2-1988	Nitro Noble Ab, of S-710-30, Gytterp, Sweden.	A firing unit for initiation of detonators.
162965	26-10-1984	Nuken GmbH, of Rothenbacher Chaussee 4 D-64, 50, Hanau (Main) 11, F.R. of Germany.	Contacting system for thin film solar cell.
164598	9-10-1986	Do.	Solar cell.
170013	15-7-1988	Do.	Method of restoring a damaged/worn out metal insulator semi-conductor (MIS) inversion layer solar cell.
170014	15-7-1988	Do.	Encapsulation of a photovoltaic element.
162266	4-6-1984	Oronzio De Nora S.A., Via, Motta, 17, CH-6900, Lagano, Switzerland.	Method of making anode assembly the step of making a sealed electrical connection between anodically insoluble tubular valve-metal anodes.
162739	27-2-1985	Phillip Joy, of S-466, Greater Kailash, Part I, New Delhi-110048, India.	A transmission booster.
162740	27-2-1985	Do.	A transmission booster.
165339	4-12-1985	Precise power corporation, at 281-N, Upper Manatee, River Road, Bradenton country, of Manatee, Florida, 33508, USA.	A synchronous A.C. electrical motor.

1	2	3	4
164790	9-12-1985	RCA Corporation, of 30, Rockefeller, plaza, New York, N. Y-70020, USA.	Color picture tube having improved slit column apertures in shadow mask.
164838	9-12-1985	RCA Corporation, of 30, Rockefeller, Plaza, New York N. Y-70020, USA.	Color picture tubes.
165017	26-11-1985	Do.	Multibeam electron gun having a transition member and method for manufacturing the electron gun.
165019	3-12-1985	RCA Corporation, USA	A cathode ray tube and method of making same.
165143	3-12-1985	Do.	Color picture tube having shadow mask frame with truncated corners.
165335	26-11-1985	Do.	Electron gun assembly with reinforcing means for cup-shaped electrode.
165336	26-11-1985	Do.	Color picture tube having improved shadow mask.
165337	26-11-1985	Do.	Colour picture tube having improved line system.
165340	4-12-1985	Do.	Color picture tubes.
165573	3-12-1985	Do.	Color picture tube having an improved expanded focus type in line electron ion.
166707	19-1-1987	Do.	Color display system.
168259	19-1-1987	RCA Licensing Corporation of two Independence way, Princeton, New Jersey-08540, USA	Colour cathode ray tube.
169013	19-8-1987	Do.	A cathode ray tube.
170309	19-8-1987	RCA Corporation of 201, Washington Road, Princeton NJ-08540 USA.	Cathode display system.
154802	1-10-1981	Rosemount Inc, of 12001, West 78th Street, Eden, Hrairie, Minnesota, 55344 USA.	Capacitive pressure transducer with isolated sensing diaphragm.
156305	22-1-1982	Do.	Circuit for measuring the reactance and AC reactance.
157957	26-11-1982	Do.	An apparatus for conveying fluid pressure for use with a differential pressure transducer.
161638	15-5-1985	Ruhrtael-Elektrizitaetsgesellschaft, Hartig, GmbH, & Co. of Ruhrtaelstrasse, 19 4300, Essen 16F.R. of Germany.	A cut out switch, particularly to a single column sensor, cut-out switch with a main contact system and a secondary contact system.
162556	6-9-1984	Salat Gobain Recherche, of 39, Quai, Lucien, Fefrane, 93300, Aubervilliers, France.	Electric fusion furnace for a vitrifiable charge.
168177	25-5-1987	Statke Engineering Co, Ltd, at 7-2, Sotokanda, 4-chome, chiyo-da-ku, Tokyo, Japan.	Variable speed controlled induction motor.
167691	27-3-1987	Schwabe GmbH of 7068 Urbach, West, Germany.	Power line adapter example fluorescent light ballast, transformers or the like.
157925	5-1-1983	Siemens AG of Wittelsbacher platz 2, D-8000 Munchen 2, West Germany.	High voltage insulation for a winding of a rotatable electrical machine and the method machine and the method of making same.
163086	21-1-1986	Do.	Low voltage circuit breaker with a current transformer.
163309	9-10-1986	Do.	A drilling system for an electric circuit breaker.

1	2	3	4
163330	18-7-1986	Siemens AG, of wittelsbacher Platz 2, D-8000, München 2, west Germany.	A contact device.
163403	25-1-1985	Do.	Electrical switch panels.
163748	31-10-1986	Do.	A multipole low-voltage circuit breaker
164000	24-7-1986	Do.	Electro acoustic transducer.
164018	24-7-1986	Do.	Control device.
164086	30-9-1985	Do.	Plug-in-device with electrical components
164087	2-4-1986	Do.	A telephone device.
164117	6-10-1986	Do.	A contact arrangement for a low-voltage electric circuit breaker.
164328	27-5-1986	Do.	A device for automatically matching the impedance of an antenna.
164479	22-12-1986	Do.	A disconnecting contact arrangement for switch-gear movably arranged on a guide assembly.
164785	30-4-1985	Do.	A three phase or other multiphase bar wave winding for a p-pole paired electrical machine with n-stots.
165312	18-1-1986	Siemens Aktiengesellschaft, West Germany.	Plug in and disconnect and device for plug in sub assemblies.
165798	26-8-1986	Do.	Circuit arrangement for the transmission of data signals between control devices connected to one another via a loop system.
165981	12-3-1986	Do.	Current transformers and process of producing same.
166387	26-8-1986	Do.	A system for transmitting data between a plurality of control system.
166388	26-8-86	Do.	A data transmission system.
166617	3-12-1986	Do.	An antenna duct for an antenna matching device.
167270	22-2-1988	Do.	Housing for electrical switchgear.
167657	5-10-87	Do.	Switch truck for an enclosed electrical switch gear panel.
168273	15-12-1986	Do.	An electric switchgear cell.
168971	26-8-1986	Do.	A data transmission system.
170256	29-9-1988	Do.	A subassembly case for electrical installations
170976	23-1-1989	Do.	Position monitoring apparatus.
165824	4-2-4987	Source Technology Corporation, of 14700, Winchester Boulevard Los Gatos California, 95030 USA.	A flat visual display device.
163107	12-3-1985	The Jay Engineering Works Ltd, of 23, Kasturba Gandhi, Marg, New Delhi-110001, India.	AC electric ceiling fans.
168203	11-11-1987	Tox-Dubel-Work Richard, W. Heckhaussesh, GmbH, & Co. KC, of D-7762 Bodman-Ludwigshafen, West Germany.	Straddling or buckling plug.

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156185	2-7-1982	Trutzschler GmbH, and Co, KGZ of Duvenstr, 82-92, D-4050, Monchengladbach 3, West Germany.	Apparatus for transmitting signals between fixed station & a mobile station to a power driven textile machine.
168828	3-2-1988	Do	A device for the detection of foreign bodies like metal parts, wires or similar things within or between the textile fibre flakes.
168222	18-3-1987	Vatarguarol Industries Inc, of 162242, Katherin, lane, Channellview Texas, 77530 USA.	A process for electrochemically coating a metallic wire.
158950	22-4-1982	Westinghouse Electric Corporation, of Westinghouse Building, Gateway Centre, Pittsburg, Pennsylvania-15222 USA.	Electrochemical cell shunting switch assembly with matrix array of switch modules.

COMMERCIAL WORKING OF PATENTED INVENTIONS

MECH. & GEN. LIST NO. II

The following Patents in the field of Mechanical & General Engineering Industry are not being commercially worked in India as admitted by Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar year 1993, generally on account of want of request for licences to work the patented invention. Persons who are interested to work the said Patents commercially may contact the Patentees for the grant of a license for the purpose.

Patent No.	Date of Patent	Name & Address of Patentee	Title of Inventions.
1	2	3	4
154496	31-7-1982	AE Plc, of Cowston, House, Cowston Rugby, Warwickshire, England.	Pistons for internal combustion engines.
156648	17-12-1982	Do.	Annular spacer-expander for spacing & positioning two rails in a piston ring groove of a piston for an internal combustion engine.
157758	16-12-1982	Do.	Process for nitro-carburising metal rings of generally rectangular cross section for use as piston rings or sealing rings.
161433	21-6-1984	Do	A system for machining a surface of a work piece rotating about an axis.
161430	4-7-1984	Do.	A method for manufacturing a composite strip for a plain bearing.
162138	4-8-1984	Do.	A piston assembly for an internal combustion engine & a method of making it.
166217	22-10-1985	Do.	A bearing.
166564	16-12-1985	Do	The process for the production of a bearing.
166595	5-2-1986	Do.	Disposable cartridges for centrifugal separators.
169618	22-6-1988	Agven medical Corporation, Ltd., of 38, Finsbury Square, London, EC, 2A1PT, England.	Syringe.

1	2	3	4
169100	14-11-1986	Alvin Henry Benesh, of 120, South Adams Avenue Pierre, South, Dakota-57501, USA.	A savania rotar assembly for interacting with a moving fluid.
171006	16-12-1988	Do.	Twin savonius rotor system.
158982	16-2-1983	American Can Company, of American Lane, Greenwich, Connecticut, 06836, 3610, USA.	Plastic sheet having high gloss & low coefficient of friction & method for producing the same.
162003	20-12-1983	Do.	Multiple layer flexible sheet structure usable in flexible tubes.
162390	28-12-1982	Do.	A container for degenerative product fabricated from laminate web & method for producing the same.
153583	25-2-1981	Amsted Industries Inc, 205, North Michigan Avenue, 44th floor, Boulevard Towers Sout, Chicago, IL 60601, USA.	Carrier assembly for use with a rotary type railroad coupler systems.
155198	23-4-1982	Do.	Rail Road Car truck.
157341	11-4-1983	Do.	Railway, truck with improved bolster gibs therefor.
157720	13-5-1983	Do.	An improved snubbed railway car truck.
159268	4-4-1983	Do.	Slackless railway drawbar conler arrangement.
165186	19-11-1985	Ashok Vir, of S-466 Greater Kailash, Part-1, New Delhi-110,048, India	A device for controlling flow of liquid from a liquid pressure source.
153621	20-11-1981	Associated Engineering Italy, Spa, of Strada, Valdellatore, 10091, Alpignano, Turain, Italy.	A method of shaping gudgeon pin bores & pistons for internal combustion engines or compressors.
166194	28-5-1987	Autorobot Finland Ky, Yrityskatu, 23, 70150, Kuopio, Finland.	Apparatus for rectifying bodies of motor vehicles.
170491	2-11-1989	Bajaj Auto Ltd., of Akurdi, Pune-411035, Maharashtra, India.	An improved single circuit horizontal draught carburettor.
169736	19-4-1988	Bankoku Needle Manufacture, of 3-32, Kusunoki-cho, 2-chome, Nishi-ku-Hiroshima-shi, Hiro-ken, Japan.	Needle case.
170011	6-7-1988	Baruffaldi, SPA, of 15, San Donato Milanese, Milan, Italy.	Tool holder turret with an epicyclic transmission & positioning unit.
164593	19-7-1985	Bayerisches Leichtmetallwerk Graf, Blucher Von, Wahlstatt, GmbH & Co. KG, of Frankfurter Ring, 227, D-8000, Munchen 40, West Germany.	Forging process.
163048	25-3-1985	Bernard Zimmern, of 6, New Street, east Norwalk of, 06855, USA.	A positive displacement screw machine.
170233	19-9-1988	Bernö Hansen, of Heerstrasse, 16, 7166, Sulzbach-Laufen 2, West Germany.	A dropper bottle of synthetic resin & a method of making the same.
155922	7-12-1981	Bhagwat Kundalik Dhonds, of 1195/4B, Shivajinagar, Talpule, Bldg, Fergusson Road, Pune, 411005, Maharashtra, India.	Floating siphon,

1	2	3	4
170173	2-12-1988	Binacchi & C.S.R.L., of Via Gramsci, 2a, 21045, Gazzada Schianno, (Province of Varese) Italy.	Mainpula for device for extracting products such as soaps from a mould.
168766	01-12-1987	B. & J. Manufacturing Compa of 700, West 193 RD, Street, Glenwood, Illinois, U.S.	Abrading tool.
170573	9-12-1987	British-American, Tobacco, Co. Ltd., of P.O. Box, 482, West Munster, House 7, Millbank, London, SW1P, 3JH, England.	Improved tobacco expansion apparatus.
170127	5-8-1987	Brown & Williamson, Tobacco Corporation, USA, of 1500, Brown & Williamson Tower Louisville, Galleria, Louisville, Kentucky-40202.	A filter for a cigarette.
169051	3-5-1988	B. V. Optische Indus, De Oude Delft, of Van Mierrehlaan, 9, 2612 XE, delet, The Netherlands.	Collimating mark device.
165454	18-4-1986	Byung Enn Yoo, of 616-5, Daemyung -Dong, Nem-Mu, Daegu-SJ, Korea.	Air ventilator.
168965	11-2-1988	Carl Edelmann Verpackungetechnik, GmbH, of Paradiesstrasse-20, 7920, Heidenheim/Brenz, West Germany.	Transport & storage container for concent rates of beverages or the like.
162078	18-7-1985	Cegedar Societo De, Transformation, De L' Aluminium pechiney, of 23, rue Blazac-75008, Franco.	Apparatus for continuously brushing & Lubricating rolls of rolling mills for flat rolled products.
151688	29-5-1981	C. Eugen Maier Metall Verarbeitung, GmbH, West Germany.	Flyer for yarn thread winding device.
153962	29-5-1981	Do.	Pressor of a flyer for a yarn or thread winding device.
156030	01-5-1981	Chief Controller, Research & Development, Ministry of Defence, Govt. of India, New Delhi, India.	A method for the modification of aluminium silicon eutectic alloys (silumins) during casting.
159025	17-5-1983	Do.	A method for the manufacture of a heating bag.
160689	1-5-1984	Do.	An apparatus for forming shaped articles of metal or alloy by casting & a process thereof.
164903	14-2-1986	China Metallurgical Import & Export, Corporation, 46, Dongsixi, Dajie, Beijing & China Metallurgical, Safety Technology Institute, of Republic of China.	An initiating element for use in a non primary explosive hollow tube detonator.
169896	14-3-1988	Chinese, Petroleum Co. & Industrial Technology Rese of 83, Sec. 1, Chung, Taipei, Taiwan, Republic of China.	Low pressure injection system for injection fuel directly into cylinder of gasoline engine.
169594	24-5-1988	Cime Bocuze, of Tour Manhattan-Cedex, 21, 92087, Paris, La Defense, France.	Process for the preparation of shoped products from tungsten-Nickel-iron alloys.
153095	11-3-1981	CoC, Luxembourg SA, of 3-5, Place Winston, Cherchill. & Luxembourg.	An improved process for the production of silicon containing and carbon containing raw material mouldings & the use of such mouldings.
169065	7-11-1988	Copeland Corporation, Cambell Road, Sidney, Ohio-45365, USA.	A motor driven compressor.
169693	26-8-1988	Do.	A rotary machine.
170647	31-10-1988	Do.	Scroll compressor.
170869	27-2-1989	Do.	Refrigeration compressor.

1	2	3	4
164349	28-11-1986	Crown Gear B. V. Schaardijk-145, 3063, NH, Rotterdam, Netherlands.	Face gear transmission for Axes inter-secting or crossing each other.
170610	14-10-1988	Daidotokushako Kabushiki Kaisha, of 11-18 Nishiki, 1-chome, Naka-ku, Nagoya-shi, Japan.	Sizing mill & method of rolling a roll materia).
164908	18-7-1986	David Solomon, of 52, Gregory street, south Cooge, New South, Wales, Australia.	Toilet seat mechanism and the toilet seat assembly having the same.
168654	26-4-1988	Draisworke GmbH, of Speckweg, 43-59, D-6800, Mannheim, 31, Federal Republic of Germany.	Agitator mill.
150506	27-3-1980	Dunlop India Ltd. of 57-B, Mirza, Ghatile Street, Calcutta-16 India.	An apparatus for folding of tyre tube.
151447	15-4-1980	Dunlop India Ltd, of 57-B, Mirza, Ghatile Street, Calcutta-16, India.	A process for manufacturing jute reinforcement rubber products for vehicle tyres.
156277	15-9-1982	Do.	An improved axle & hub assembly for use in vehicle & in particular for animal drawn, carts & manually drawn carts.
169772	12-9-1988	Do.	A method of producing a flexible receptacle for collecting rototrdl rubber latex from trees & a flexible receptacle.
165901	8-7-1986	Eaton Corporation, at 1111, Superior, Ave cleveland, Ohio-44114, USA.	Ring/gear pinion gear drive gear sets.
168206	8-2-1988	Do.	Method for producing ring gears for heavy duty drive axles.
168542	23-11-1987	Do.	Fluid actuated shift bar housing assembly.
168997	10-8-1987	Do.	S-ean for drum brake.
169022	8-2-1988	Do.	Method for producing near net ring gear forgings.
169456	8-2-1988	Do.	Method of forging a series of ring rolling preforms and a forging Die therefor.
169457	17-2-1988	Do.	Pressurized fluid operated shift bar Housing assembly for a change Gear transmission.
169573	5-5-1988	Do.	A system for displaying the existance and identity of a sensed vehicle fault condition in a vehicle equipped with mechanical change gear transmission.
169771	11-8-1988	Do.	Torque converter and clutch structure.
169802	17-2-1988	Do.	A change gear mechanical transmission system.
169037	7-4-1989	Electrometal Ltd., at 3C, Camac street, 7th Floor, Calcutta-700016, West Bengal, India.	Conduit hanger.
169617	7-4-1989	Do.	Beam clamp.
169514	19-5-1988	Emitec Gesellschaft, fur Emission Stechnologie, MBH, of Hauptstrab 150, 5204, Lohmar 1, West Germany.	A method of securing a drive element of a hallow shaft to form an improved drive assembly.

1	2	3	4
159671	2-2-1984	Erma GmbH Engineering Recycling-Maschinen Anlagen G. M. b. H, Freindorf-Unterfeldstr, 3, Freindorf, A-4052, Ansfelden, Austria.	A device for processing thermoplastics synthetic plastics material.
167930	11-11-1987	Do.	Apparatus for comminuting and extruding synthetic plastics materials.
162921	6-2-1986	Emilio Ambasz, of 295 th Central Park, West, New York, New York, 10024, USA.	Pen.
170119	13-9-1988	Fabrique National Nouvelle, Herstal, Belgique.	Anti-vehicle grenade.
162914	20-2-1985	Perodo Ltd., of 20st, Mary's Parsonage, Manchester, M3, ZNL, England.	Method for the manufacture of a non-asbestos clutch facing.
155207	8-12-1980	Flexitallic Gaskets Ltd., of Station Lane, Heckmondwike, Yorkshire, England.	Improvements in and relating to gaskets.
162738	18-2-1985	Do.	Improved gasket materials and gaskets prepared therefrom.
166106	5-5-1986	Do.	A method & apparatus of producing a spiral wound gasket and a gasket so produced.
156969	14-5-1982	F & Pn Roemisma GmbH, & Company of Parkstrasse-51, 2000 Hamburg-52, F.R. of Germany.	An improved process for improving the filling capacity of tobacco.
164164	7-10-1985	Francesco Canziani of via, Contardo Ferrini, 21, Sanmacario (verse) Italy.	An apparatus for conveying and sorting items having self-driven carriages.
163807	18-3-1986	Fried Drupp Gesellschaft, Mit Beschränkt Haftung, of Altendorfer strasse 103, D-4300, Essen 1, West Germany.	Tool-mounting assembly having an exchangeable tool head.
154834	10-7-1981	GB, Tools & Components, Exports, of 368, Easting Road, Alport, Wembley Middlesex, HA0, 1HD, England.	Machine Tools.
157769	27-1-1982	General Electric Company, of 1 River Road, Schenectady 5, New York, USA.	Process for improving the plating characteristic of boron rich cubic boron nitride.
170055	22-8-1985	Do.	A combined swirler & fuel injector for a gas turbine combustor.
170142	8-8-1988	Ghanshyam Shankar Pasgaonkar, of Flats, 1-B, & 1-C, Monalisa, 17, Camac Street, Calcutta-700017, India.	A Liquefied petroleum gas stove.
165750	22-9-86	Gunyarshaug, Olav Johannes, of Tonstadgrend, 5, N-7075, Tiller, Norway.	Roof structure of transparent roofs & heating systems comprising same.
164083	24-5-1985	Gustav Schade Maschinenfabrik & Co. of an Rosenplatzchen, 120, D-4600, Dortmund-1.	Apparatus for the stowing & reclaiming of bulk material with a combined stowing & reclaiming machine.
164912	16-5-1985	Harsco Corporation, of 350, Poplar church Road, Wormleysburg, Pennsylvania-17011, USA.	Bridge transporting & launching trailer.
163621	4-8-1987	Henry K. Obermayer, 36 Wickhams Fancy, Rivers Edge Road, Collinsville, Connecticut-06022, USA.	Hydromotive machine apparatus & method of constructing the same.
165827	27-1-1987	Hitachi Construction Machinery Co. Ltd., of 6-2, Ohtemachi 2-chome Chiyoda-ku, Tokyo, Japan.	Hydraulic drive system.

1	2	3	4
165990	26-12-1986	Hitachi Construction Machinery Co. Ltd.,	Control system of hydraulic construction machinery.
167170	13-5-1988	Do.	Flow control valve apparatus.
168733	27-7-1987	Do.	Seal ring assembly for use in an end face mechanical shaft seat.
168998	24-8-1987	Do.	Thrust hydrostatic bearing device for use in axial piston machine.
169613	6-6-1988	Do.	Lubricating bearing apparatus for hydraulic machinery
162376	2-4-1985	Hoech Aktiengesellschaft, of rberhardstrasse, 12, 4600, Dortmund 1, Federal Republic of Germany.	Centre free large rolling bearing.
168243	4-2-1988	Hörbiger ventil werke, AG, of Braunhubergasse-49, A-1110, Vienna, Australia.	Compressor unit comprising a screw compressor or the like
169064	3-11-1988	Do.	Compressor plate valve.
170938	1-6-1989	Do.	Ring Valve.
162387	16-9-1985	Hoesch Aktiengesellschaft, of rberhardstrasse, 12, 4600, Dortmund, 1, West Germany.	Track spike with a single or double shaft
155115	8-12-1981	Imperial Clevis Inc., one plymouth, meeting pennsylvania, 19462, USA.	Method and apparatus for squeeze casting pistons with wear resistant inserts.
166369	28-2-1986	Do.	Cost metal composite article.
170016	28-7-1988	Indian Institute of Techy. Kharagpur, West Bengal, India, & Indian Educational Institution, Kharagpur, West Bengal, India.	Novel puffing machine for cereals.
168964	10-2-1988	Industrial Technology Research Institute, of No. 195, Sec. 4, CHung Hsing RD, Chu, Tung, Hsin, Chu, Hsien, Taiwan.	Low pressure compressed air assisted fuel injection apparatus for engine.
158947	8-3-1982	Institut Francais Dy. Petrole, of 4, Avenue De Bois preay, 92502, Rueil, Maluaison, France.	Device provide with retractable arms for the anchoring of an instrument in a cavity
167251	30-4-1986	International Metals Reclamation Co. Inc., of P. O. Box 720, Elwood City, PA-16117, USA.	A rotary hearth employable in a rotary hearth furnace.
166972	5-5-1987	Ion Exchange (India) Ltd, at Tiesicon House, Dr. E. Moses Road, By-400011, Maharashtra, India.	An improved continuous closed Water filter.
162176	1-4-1985	Iqbal Krishna Bharati, of E/80, Juhu, North-Bombay Society, Near Juhu Hotel, Bombay-400049, Maharashtra, India.	An improved anti pollution reactor for use with the exhaust gas pipe or a vehicle engine.
162373	18-10-1984	Isoper Saint Gobain, of 18, avenue, L' Alsace, 92400, Courbevoise, France.	Apparatus for forming rolls from strips of compressible materials.
162862	14-2-1984	Do.	Process and apparatus for the formation of a belt of fibres.
164421	14-10-1985	Do.	An apparatus for the manufacture of mineral fibre.
165057	25-9-1985	Do.	Method and apparatus for producing mineral insulating fibre shells.
166407	6-10-1986	Do.	Method of apparatus for forming an insulating sheath particularly of mineral fibres covered with a film.

1	2	3	4
161634	6-2-1984	Jawa, Norodni Poduik, Tynee & Sazavou, Czechoslovakia.	A motor cycle comprising a tubular frame a chain drive of rear wheel and an engine with an engine case forming one integral unit with a gear casting.
161076	23-4-1984	JBL Incorporated, of 8500, Balboa, Boulegard, Northridge, California-91329, of Delaware, USA.	Defined coverage loudspeaker horn.
166067	23-6-1987	Jean Frederic Mechior, of 126, Bldg. du, Moutparliasse, 75014 Paris France.	Two store internal combustion engine cylinder head provided with said engine.
167337	20-4-1987	Do.	An internal combustion engine.
167862	13-7-1987	Do.	Piston for reciprocating machines employing a compression of a gaseous fluid and machines provided with such a piston.
168924	18-3-88	Do.	Piston for sliding in cylinders of reciprocating internal or external combustion engine and compressors.
169614	13-6-1988	Jeancorp Nominees Ltd, of 109, Pitt, Street Sydney, N.S. Wales-2000, Australia.	Structured beam for use as an upper chord in a roof truss & a roof truss comprising same.
169638	29-6-1988	Do.	Metal wall frame structure.
163863	3-7-1985	Jitendra Shantli Shah, of Chestnut House, Dandry Lande, Dundry Briglot, BS-18., 8 JE England.	A biocompatible connection tissue prosthesis & method for making the same.
167155	11-5-87	Joe santa & Associated PT of Lot-260, Torrens, Avenue Cardiff, New south Wales, 2285, Australia.	Improvements in or relating to rotary air machines.
164991	4-2-86	Johnson & Johanson, at one Johnson & Johnson, Plaza, New Brunswick, New Jersey, USA.	Appratus for sterilizing articles with a gas.
168502	13-1-1988	Johs krause GmbH of Maschinenfabrik, Planckstr, 13-15 D-2000, Hamburg-50, West Germany	Appratus for treating skins or hides in wet process.
169680	10-8-1988	Kabelmetal Electro, of GmbH, of Kabelkamp-20, 3000, Hannover 1, West-Germany.	Process & appratus for the manufacture of a longitudinal-seam welded tube.
167727	29-10-87	Kabushiki Kaisha Nisshin, Seisakush, 22, Aza, Chitose, Mineyamach, Nakagun, Kyota prefecture, Japan.	Turning device for hones.
168389	10-2-88	Do.	Method of grinding slipper surface of a rocker arm & a device for performing the same.
164472	20-1-1986	Kawasaki Jukogyo Kabushiki Kaisha, of of 1-1, cho, 3 chome, chuo-ku, kobe, Japan.	An engine control system.
160324	10-2-1984	Kazumasa Sarumaru of 8-27, Kinmitsu-cho, Ashiya-659, Japan.	Apparatus for vulchanizing a tire.
168961	30-4-1987	KM-Kabelmetal Aktiengesel, of klosterstrasse -29, D-4500, OsuabrickW, Germany.	Procedure for the manufacture of continuous ingot moulds for continuous casting machines
169711	24-1-1988	Do.	Improvement relating to ingot moulds in particular continuous casting ingot moulds & the like.
170310	19-6-1987	Do.	Process for the manufacture of a continous casting ingot mould from a copper alloy.

1	2	3	4
163861	16-3-1985	Knorr-Bremse GmbH, of Moosacher str, 80, D-8000, Munchen 40, Federal Republic of Germany.	Securing members in the form of screws & nuts for securing or mounting brak pressure plates especially for rail vehicles.
165411	15-10-1986	Knurr, mechanik Fur Die, Elektronik, AG. of Schatzbogen, 20, 8000, tMunchen-82, West Germany.	Work place furniture.
168231	25-9-1987	Koyo Sangyo Company Ltd. of 9-9, kajicho, 1-chome Choyodaku, Tokyo, 101, Japan.	Method for the preparation of laminated material and laminated material obtained thereby.
165734	17-6-1986	Krone AG, of Beeskowdamm, 3-11, D-1000, Berlin, 37, West Germany.	Device for connection of cable strands.
167165	2-7-1987	KSB, AG of Johann, Klein, Strasse 9, D-6710, Frankenthal, Fed. Rep. of Germany.	Fluid flow machines in particular centrifugal pumps.
169086	23-11-1987	Do.	Device for mounting the housing of a single or multi-stage turbomachine.
170255	29-7-1988	KTR Kupplungstechnik GmbH, Rodder, D-4440, Rheine 1, F.R. Germany.	An insertable jaw clutch coupling.
168825	28-10-1987	Kurt kienlein of Ludwigstrasse-10, D-8505, Rothenbach, West Germany.	Improvement relating to mattersses.
169535	23-6-1988	Kvaerner Engineering A/s. of Prof. Kohts-vei, 5, N-1324, Lysaker Norway.	A method o & a plant for recovering hydrocarbon oil saturated with gas from an off-shore drilling well.
166987	25-3-1986	Lacrew Brevetti SA, of Via ECO, 53-6644, Orselina Switzerland.	Device for pre-heating liquid such as liquid fuels.
168594	2-9-1986	Do.	Device for preheating liquid fuels used for combustion and for powring engine.
166224	15-4-1986	L'Air Liquide of -75, Qual, d orsav-75007, Paris, France.	A reservoir for crygenic fluid.
166882	15-3-1985	Lanxide Technology Comaany, LP, 1300, Marrows Rd, Newyork, Delaware, 19714-6077, USA.	A method for producing a self supporting ceramic body.
167358	4-5-1987	Do.	Method of making shaped ceramic composites with the use of a barrier.
167472	4-5-1987	Do.	A method of producing ceramic composite body of desired shape.
167563	4-8-1987	Do.	Method of producing a self supporting ceramic structur.
167657	8-9-1987	Do.	A method of producing a self supporting ceramic structure.
167923	1-6-1987	Do.	Method of making ceramic [compositic articles with shape replicated surfaces.
167986	7-9-1987	Do.	A method producing bonded cermaic bodies.
168157	15-9-1987	Do.	Method for producing self supporting ceramic composite bodies.
168229	16-12-1987	Do.	Method of making shoped ceramic composites.
168339	9-7-1987	Do.	An improved method of producing a self-supourting ceramic body.
170308	8-9-1987	Do.	Improved gun barrels.
166061	3-5-1987	Do.	Method for producing a self supporting body.

1	2	3	4
157782	19-1-1982	Lenzing Chemiefaser AG, of A-4860, Lenzing, Austria.	Improvements in or relating to a filtering apparatus for separating solids & suspended particles from Liquids.
166410	14-10-1986	Libbey-Owens-Ford Company, of 811, manderson, Avenue, Toledo, Ohio, 43659, USA.	A method for producing a coated glass article.
166468	5-3-1987	Macrotech Fluid sealing, Inc. of 1750, West fifth South, salt, Lake city Utah-84104, USA.	A composite seal assembly.
161913	6-12-1985	Madan Mohan Parui of 71A, Netaji, Subhash Road, 1st Floor, Room No. B-18, Calcutta, 700001, India.	Improvements in or relating to a hulling machine
154116	20-6-1981	Man Gutechoffnungs Huette AG, of Bahrihofstrasse-66, 4200, Oberhausen-11, F.R. Germany.	A compressor, especially a single stage or multistage screw compressor with means for regulating the quantity of flow of the compressed medium.
154526	8-1-1986	Man Gutechoffnungs Huette, Do.	Rotary compressors in particular screw rotary compressors.
160118	12-3-1984	Do.	An-masse, conveyor for vertical or steep delivery of bulk material.
167441	24-4-1986	Do.	An apparatus utilization of heat of flue gas preheated from coal.
156667	29-5-1982	Mannesmann Aktiengesellschaft, of Mannesmannufer, 2, D-400, Dusseldorf 1, F.R. Germany.	Apparatus for separating a sponge iron product produced in a rotary furnace.
169109	12-3-1987	Do.	An improved double-walled coke quenching car.
169976	2-9-1987	Do.	Device for adjusting throat armour in shaft furnaces.
168499	19-11-1987	Martha-catherina Heiligerhof Hochkoppe, 11, 5166, Krehzaf, West Germany.	Articulating steel cap for under ground mining support structures.
163029	4-4-1986	Massey Ferguson SA, of Abraham de veestraat, 7A, Buracao Netherlands, Antilles.	Vehicle performance monitoring apparatus.
163305	21-8-1985	Do.	Clutch protection system.
164782	26-3-1985	Do.	Friction clutch engagement control system and a tractor comprising said system.
168204	6-1-1988	Material consultants Oy, of Reikonkatu, 7C7, SF-33730, Tampere, Finland.	New surgical materials and devices.
166297	5-11-1985	Max Pasbrig of via, Eco, 53, CH, 6644, Orsolina, Switzerland.	A Universal wrench.
165927	4-2-1988	McNeeilab, Inc, Springhouse, PA, 19477, of The state of Pennsylvania, USA.	Process and apparatus for producing gelation coated caplets.
167929	24-9-1987	Mercedes Textiles Ltd, 1233, Tessler, Street, Hawkesbury, outario, Canada, K6A, 252,	Apparatus for depositing continuously an extruded elastomeric material on the interior of a continuous tubular Woven fabric in a loom.
163097	2-1-1985	Metallgesellschaft. AG. of Reuterweg, 14, D-6000, Frankfurt, AM Main, West Germany.	Apparatus for supplying bulk material to at least one consumer at a controlled rate.
165413	23-10-1986	Do.	Combined gas & steam turbine plant.
169652	6-7-1988	Do.	Apparatus for delivering bulk material onto a movable support.

1	2	3	4
161917	7-2-1986	Metallurgical & Engineering Consultants (I), Ltd., at Deranda, Ranchi-834002, Bihar, India.	Blast furnace cast house-rynnor system.
161919	17-2-1986	Do.	Coke oven foul gas difftake system.
162599	5-6-1986	Do.	Improved coke-oven door and coke ovens having such improved doors.
163329	17-2-1986	Do.	Improved coke oven door for by product recovery coke ovens.
163570	17-2-1986	Do.	Sealing device for door frams & flash plates of coke oven batteries.
164136	7-2-1986	Michigan Consolidated Gas Co., of one woodward, Avenue, Detroit, Michigan 48226, USA.	A gaseous fuel torch apparatus adapted for use in cutting or welding operations.
169539	6-7-1988	Micromedical Industries, Pvt. Ltd., of 397, Darling street, Balmain N.S. Wales-2041, Australia.	Portable monitor for combinedly moulting and displaying pacemaker information & vital Physiological sign information.
163083	14-10-1985	Munters Euroform GmbH of susterfeldstrasse, 65, D-5100, Aachen, West Germany.	Spacer for mist eliminator.
154549	25-9-1981	Natverlal purshotandas, Kinariwala, of 1-10 Lajpat Nagar, III, New Delhi-110024, India.	A traverse drum for guiding yarn.
164887	26-6-1985	Neil Howard Joseph, 195, 423, C/o: Aramco, P.O. Box, 82-41, Dhahran-31311, Saudi, Arabia US.	A device for drawing aqueous hymour from an eye.
169619	23-6-1988	Netzsch-Mohnpumpen, GmbH, Liebigstrasse-28, 8264 Waldkraiburg, F.R. Germany.	Swivel coupling.
161254	16-1-1984	Nippon clean Engine, Research Institute, Co., Ltd., of 205-3, Kitavasuemachi, Kanazawa-shi, Ishikawaken, Japan.	A two stroke internal combustion engine.
166737	28-4-1986	Nordson Corporation, of 555, Jackson Street, P.O. Box, 151, Amherst, Ohio, 44001, USA.	Powder spray gun for spraying air entrained solid particulate powder.
163027	14-1-1986	N.V. Sky, Climber Europe S.A. Naamloze, Vennootschap, of 2630, Aartselaar (Belgium) Bcomsesteenweg-14, Belgium.	Arrangement for lifting and loering or for pulling loads.
164766	28-5-1986	O. & K. Orenstein and Koppel, A.G, of postfach, 170218, D-4600, Dortmund 1, West Germany, F.R. of Germany.	Movable hopper band carriage.
165473	7-4-1987	Do.	An extraction equipment for the open pit minings.
168966	22-3-1988	Oliver Rubber company, 1200' 65th Street, Oakland, California-94608, USA.	Method and apparatus for replacing side wall of tire.
164476	11-7-1986	Olympus Winter and Ibe, GmbH, of 61,0000, Hemburg' 70' Germany.	Surgical combination instruments.
167659	10-11-1988	Omega Universal Holding Ltd, of Omega House, 211, New North Road, London N1, 6VT, England.	Device for biostimulation of human/animal tissues.
169593	23-5-1988	Opti Patent Forschungund, Fabrikations, A.G, of 8750, Riedern, Allmeind, Switzerland.	Method of producing a continuous slide fastener strip.
169095	10-11-1987	Otto India Pvt. Ltd., 9, Camacstreet, Calcutta-700017, West, Bengal, India.	Device for dry cooling of coke.
168215	7-8-1987	Paul Leguon of 85, Avenue, De Mazy, 44380, Pornichet, France.	All wheel drive off highway vehicle.

1	2	3	4
165912	5-5-1986	Paul-Wurth, S.A. of -32, rue d' Alsace, L-1122 Luxembourg Grand-Duchy, of Luxembourg.	Appratus for charging a shaft furnace.
162150	4-9-1984	Personal products Company, Van Liew Avenue, Miltown New Jersey-08850, USA.	Absorbent body having edge density gradient.
162823	28-1-1985	Peter Alsop, of St. Georges House Ivychurch, Kent, England.	Fronelines for filtering particular material in rever etc.
169339	12-4-1988	Phillips Pervovitech, of 251, AVE. De La, Marine-33700, Merignac, France.	Device for recovering reinjectiong Blood.
167693	26-6-1987	Pierre Patin, of 15 Rue, Byffon, 75005, Paris, France.	Improvements in orrelating to inclinable multiwheel vehicles.
165322	18-2-1986	Precious power corporation, at 281, M, Upper Manatee River Road, Bratenton, Country of Manatee, Florida, 33508, USA.	Compact quiet running & highly efficient motor generator nips (non Interruplible power system unit.
165536	2-4-1987	Premier Irrigation Equipmen1 of 17/1C, Alipore Road, Calcutta-700027, west Bengal, India.	A floxible pipe for use in drop irrigation system.
165887	2-4-1987	Do.	A flexible pipe for use in drip irrigation systems.
155924	25-3-1982	Pressure cookers & Appliances Ltd., F-101, Maker Towers, Cuffe Parade, Bombay 400005, Maharashtra, India.	Improved latching means for pressure cookers
158754	30-1-1984	Do.	A filtration apparatus.
161841	31-5-1985	Ravi Raj Gupta, of R&M, Company of 4635, Ajmeri Gate, Dehi-110006, India.	A process for the manufacture of glass tiles
164178	8-11-1985	Do.	A speacer for laying of tiles to a surface.
165338	3-12-1985	RCA, Corporation. of -2, Independence way, P.O. Box-2023, Princeton, New Jerse, 08540.	Appratus and method for forming a shadow mask from a flat blank.
168870	20-5-1989	R.J. Reynolds Tobacco, Comp, of 403, N. Main, ST. City of winston-Salem, N. Carolina-27102. USA.	Cigarette type smoking articles.
154388	4-6-1980	R. M, Company, of 46/35, Ajmeri Gate, Delhi-110006, India.	Tiles.
154389	3-7-1981	Do.	Process for the manufacture of a glass tile.
154390	3-7-1981	Do.	A package of tiles.
157991	8-6-1982	Do.	A process for the manufacture of glass tiles.
160047	3-7-1981	Do.	Process for the manufacture of a glass tile.
154639	29-2-1980	Robert H. nry Abplanalp, of 10, Hewelt, Avenue, Bronxville, Westchester Conty, New York, USA.	Method & apparatus for the mass production of a gasket-bearing actaal mounting cap.
155677	29-2-1980	Do.	Gasketed jmounting cups for aerosol dispensing containers.
161300	5-4-1983	Do.	Dispensing cap for use with pressurized containers.
164428	5-4-1983	Do.	Dispensing cap for use with pressurized containers.

1	2	3	4
157775	28-7-1982	Roberto Perlini of 37047, San Bonifacio, Locara, Italy.	Device for straight travelling stabilization & change of attitude on predetermined paths for vehicle axles.
167726	28-10-1987	Rolf peddinghaus, of Detenberstrasse, 25, 5823, Ennepetal, West Germany.	A vice.
157521	7-1-1982	Ratofil Industries, of 11-DLF Industrial Area, Moti Nagar, New Delhi-110015.	A volumetric liquid dispensing device.
164678	2-12-1986	Rotomould (India) Vijay Industries Estate, Padra Road, Somlala 301410, Gujrat, India.	Method of moulding containers made of plastic materials having multi-layered layers.
164003	13-6-1985	Royal Ordnance Plc, of 5th Griffin House, The Stand, London, WC 2N, 5BB, England.	Riot control weapon.
167008	18-6-1986	Do.	Armour penetrating composite projectile.
167667	13-10-1986	Do.	An explosive device for linear cutting or demolition purposes.
168268	7-3-1988	Samuel William Patch, 5727, Portal, Houston Texas-77097, USA & Normal Allen Nelson, 6902-Wagonwheel Lane, Houston, Texas-77088, USA.	Bearing protector.
157998	19-7-1983	Sansid Polbro Chemical (India) Pvt. Ltd. of plot No. 170, Sector-24, Faridabad, (Haryana) India.	An improved tundish.
159975	26-4-1984	Santrade Ltd. of Alpengu 12, 6002, Luzern, Switzerland.	Device for extruding flowable substances
162177	27-5-1985	Do.	Apparatus for the production of granules.
154079	1-5-1980	Saraswati Industrial Syndicate Ltd, of Yamuna Nagar, 135001, Haryana, India.	Bed plates for fluidized beds for combustion of solid fuel.
154520	1-8-1980	Do.	Improvement in or relating to natural circulation Water tube boilers or steam generator fired by a fluidized bed combustion apparatus for furnace.
155593	17-3-1981	Do.	Improvements in or relating to natural circulation water tube boilers having led plates for combustion of coal & like fuels.
162007	15-2-1985	Satake Engineering Co. Ltd., of 19-10, Ueno, 1-chome, Taito-ku, Tokyo, Japan.	Vibratory grain sorting machine.
162652	28-4-1984	Do.	Machine for polishing rice grain.
158931	17-2-1983	Saurabh Natverlal Kinariwala, of S-466, Greater Kailash, Part-1, New Delhi-110048, India.	A traverse drum.
163488	26-6-1985	Schade Fordertechnik, GmbH, & Co, Fed. Rep. Germany.	Bridge apparatus for stripping stockpiles of bulk material.
165371	10-4-1986	Do.	Apparatus for conveying bulk material in silos.
164259	28-1-1985	Seabed scour Control Systems Ltd., of Cleveland House, St. James square, London, SW1Y, 41N, England.	A frondmat for controlling erosion of a river or seabed.
161522	28-6-1984	Secretary of State for Defence, of White, Hall, London, SW1A, 2HB, England.	Magnetic apparatus for use in mines sweeping or ship degaussing systems.
166488	8-2-1983	Do.	A process for the production of a shaped article.

1	2	3	4
160855	4-1-1984	Seiken Industrial Co. Ltd., of 10-6, Hakataekiminami, 2-chome, Kakata-ku, Fukuokashi, Fukuokakon, Japan.	Offset printing set.
164110	31-12-1985	SEP, of 3 Avenue du, General de Gaulle, 92800, Pateaux, French, France.	Ball valve.
159122	24-4-1984	Shin Symino, of Sukaihoitsu, Tokai-2310, 1-13, Tomiyacyo, Kanagawa-ku, Yokohama-shi, Kanagawa-kon, Japan.	Rear dump truck with sieving device.
153753	30-1-1981	Shri Gaur Dhoun Trust, (Regd.) Shri Radhakund, Dist: Mathura, (U.P.) India.	A power loom.
169810	1-8-1988	Sicc Incorporated of 7525, Cahill, Road, Minneapolis, Minnesota-55440, U.S.	Portable riser section for choral group.
164866	22-10-1988	Siemens AG, of Wittelsbacher, Platz, 2, D-8000, Munchen, 2, W. Germany.	Improvements in fluid flow engines.
165090	24-11-1986	Do.	A mechanical logic device and a mechanical circuit comprising such device.
166327	30-5-1986	Do.	Hinged labelling panel.
167363	23-3-1988	Do.	A back plane for a subrack having modules.
169134	2-3-1989	Simplex Castings Ltd., 5A, Industrial Estate, Bhilai-490026, Madhya Pradesh, India.	An improved coke oven door.
168316	6-2-1987	SKW France S.A. of 16, Avenue de, la Grande, Armeo, 75017, Paris, France.	Composite article having a tubular sheath containing a compacted material for the treatment of liquid metals and process for the production of said article.
167106	17-8-1987	Societe Anonyme Dite: Kipl, of Kiplivlt, 96 Bis Rue De Paris, 59200, Tourcoing, France.	Folding packaging case.
169645	21-4-1987	Societe Europeenne, De Propulsion, of 24, Rue, Salomon de, Rothschild-92150, Suresnes, France.	Valve comprising a mobile obturating member and an annular seat combined therewith.
161625	21-11-1983	Societe Des Electrodes, Et. Refractaires Savoie, (SERS), of 12, rue du General Foy, 75008, Paris, France.	A fired refractory product based on refractory grains and binder.
167865	30-7-1987	Stralentz, S.A. of 24, rue, Que professeur, Froechllech, F-67, 320, Drulingen, France.	Improved transport/storage container support structure assembly.
169020	12-9-1984	SPBP Tea Industries Pvt. Ltd., 20, British, Indian Street, 2nd floor Calcutta-700069, West Bengal, India.	A closure cum dispenser for bottles, containers & the like.
169021	12-9-1984	Do.	A closure for a container, bottle or the like.
155269	4-3-1985	Sreechitra Tirunal Institute for medical Sciences & Technology, Trivandrum-695011, Kerala, State, India.	Blood oxygenator integral with cardiectomy reservoir.
165738	7-5-1986	S.S. Engineering Works, of C-2/8, Mayapuri, Phase-II, New Delhi, India.	A labelling machine for affixing onto bottles or containers.
162302	22-9-1984	Steelworth Pvt. Ltd., of, 17, Ganesh Chandra Avenue, Calcutta-700013, India.	Improved slow speed & high speed rollers for CTC machines and CTC machine incorporating same.

1	2	3	4
162817	16-8-1985	Staedtler & Uhl, Nördliche Ringstrasse 12, D-8540, Schwabach, Fed. Rep. of Germany.	A saw toothed stamped metal part as cut fit for a comb segment of a porcupine for textile machines.
168968	17-8-1988	Do.	Needle strip in particular a top comb for textile machinery.
169719	14-12-1988	Stanton Plc, of Nottingham, NG105AA, Great Britain.	Pipe joints.
164919	20-12-1985	Steelworth Pvt. Ltd., of 17, Ganosh Chandra Avenue, Calcutta-13, West Bengal, India.	A machine for extracting or removing stalk as well as fibres from the tea leaves.
154686	8-9-1980	Sterling Armament Co. Ltd. of sterling works, Dagenham, Essex, England.	Improvements in & relating to hand gun.
157219	1-3-1983	Steve Albert Rands, of 3315, Villa, Knolls, Drive, Pasadena, C.A. 91107, USA.	Contorless honing or grinding apparatus.
157028	3-4-1983	Stork Brabant BV, of 43A, Wim de, Korverstraat, 5831, AN, Boxmeer, The Netherlands.	Apparatus for evenly filling an alongate collecting space with a viscons substance.
164754	13-3-1986	Swaran Singh & Sushil Kaur, of C-2/8, Maya Park, Phase-11, New Delhi-100064, India.	A machine for affixing labels on bottles.
159496	23-12-1983	Tambrands Ltd, of Dunsbury, Havant Hampshire, POG, 5DG, UK.	Tampon applicator.
158384	5-7-1985	Farun Gupta, C/o. Coal Inspection, Services F.O. Dhanisar & Dist Dhanbad, Bihar, India.	An improved tank for the recovery of fine coalash and others minerals, from a Water slury of same.
160322	21-1-1984	Iaprogge Gesellschaft, MBH, of Wacholderstrasse, 7, 4000, Dusseldorf, 31, F.R. of Germany.	Equipment for mechanical cleaning of cooling Water stream from a power station condenser system.
160903	9-4-1984	TBA, Industrial Products Ltd. of 20 st. Mary's Parsonage, Manchester, M3, 2NL, England.	Process for the manufacture of laminate structures.
160561	9-4-1984	Do.	A PVC Impregnated textile fabric.
169030	13-4-1988	Teijinseiki Co. Ltd. of Higobashi Center, Building, 9-1 Edobori, 1-chome, Nishi-ku, Osakafy, Japan.	A ring winding apparatus.
156192	22-5-1982	The Ahmedabad Manufacturing & Calico Printing Company Ltd, Outside Jamalpur Gate, Ahmedabad, Gujrat, India.	A dispensing device.
170931	19-9-1988	The Babcock & Wilcox. Company, of 1010, Common Street, P.O. Box, 60035, New Orleans, Louisiana-70160, USA.	A flataminated sealing ring for use in a water level gauge port.
160291	25-8-1984	The Director, Tahpar Institute of Engineering & Technology, Patiala-147001 India.	A respirometer for testing of waste Water samples.
163241	17-12-1987	The Meal Corporation, of Courthouse Plaza Northeast, Dayton, Ohio, 45463, USA.	Panel interlocking arrangement.
159152	25-5-1984	Theo Schrodres of Gerhard-Weiter strass 7, 5140, Erkelenz, F.R. of Germany.	A fire-protective closure, or seal for an opening in a building.

1	2	3	4
162757	8-10-1934	The Puray, Company, at 111, Hannah's Road, Stamford, Conn-06903, USA.	A cycle absorption refrigeration system process.
154449	26-11-1981	Theysohn Extrusionstechnik Gesellschaft, MBH, of A-1010, Wieh, Schellinggasse 1, Austria.	Double-worm extrusion press.
164480	2-5-1988	T & I Ltd, at 19, R-N-Mukherjee, Road, Calcutta-700001, West Bengal, India.	Compact CIC machine unit.
162890	20-11-1985	TLV Company Ltd, of 8th Floor of Hibiya Kokyusai, Bukuring 2-3, Vchisaiwai-cho 2-cho-me, Chiyoda-ku, Tokyo, Japan.	Pressure reducing valve.
163096	3-9-1984	Do	A reducing valve with separator for removing condensed water and solid matter from steam compressed air of gases.
165693	2-3-1987	TLV Co. Ltd, of 881, Nagasuna, Noguchi-cho, Kakogawa-shi, Hyogo, 675, Japan.	Steam trap operation monitoring device.
165698	25-5-1987	Trond Nilsen, of Engerjordet 19, 1310, Blommenholm, C. Normann, of Bjorketium 6,7650, Verdal, Norway.	Machine for making longitudinal corrugations in metal sheets.
161719	1-3-1985	Tryttschler GmbH & Co., KG, of Duvonstr. 82-92, D-4050, Monchengladbach 3, West Germany.	Bale openers.
162942	13-9-1983	Trutzschler GmbH & Co., West Germany.	Aspining works preparatory plant.
162094	9-7-1984	Do.	Method of preparing a fibre stiver from a fibre web & device for carrying out the method.
163111	29-8-1984	Do.	A device or operating a bale opener for fibre bales of cotton wool and chemical fibres and the like.
163230	10-2-1986	Do.	An apparatus for feeding a fibre/op to a card.
163617	5-6-1986	Do.	A fixture to drive a sliver loading device for a rotating sliver can, EG, cards, drawing.
164727	4-10-1985	Do.	Improvement in bale openers arranged for a-back & forth travel along a series of strongly supported fibre bales.
164907	11-7-1986	Do.	Improvement in a system comprising a fiber tuft, feeder and a carding machine operating coupled to the same.
165045	6-3-1987	Do.	A fibre processing machine.
165146	18-12-1986	Do.	A bale opener arranged for travel along a series of fibre bales.
165282	2-1-1986	Trutzschler GmbH & Co. KG., of Divenstr, 82-92, D-4050, Monchengladbach 3, West Germany.	An opening roller for removing tufts from fibre bales.
165329	10-4-1986	Do.	Apparatus for taking off flocks from fibre bales.
165470	4-3-1987	Do.	A device for the rectification of the deviation in the thickness of a fibrematerial in a carding machine.

1	2	3	4
165537	27-4-1987	Trutzschler GmbH & Co. KG., Duvenstr., 82-92, D-4050, Monchengladbach 3, West Germany,	An improved carding machine.
165584	30-7-1986	Do.	An apparatus for automatically transporting at least one can between a sliver furnishing spinning machine and sliver feed spinning machine.
165886	6-3-1987	Do.	The device for blending engine or similar thing.
166322	21-10-1986	Do.	A bale opener.
166386	25-8-1986	Do.	A device for transportation of at least one can between sliver supplying and a sliver loading spinning machine.
166403	22-9-1986	Do.	Device for feeding opener or cleaner for textile fibre flocks.
166850	10-6-1987	Do.	Apparatus for detecting the level of fibre material store.
167108	1-9-1987	Do.	Apparatus for levelling the thickness of a running fibre lap fed to a textile fibre processing machine.
167699	4-12-1987	Do.	A carding machine.
168179	9-9-1987	Do.	An opening device for the opening of compressed fibre bales.
169026	10-3-1988	Do.	Device for the transportation of sliver cons by means of circulating conveyor element.
169458	1-3-1988	Do.	A control device a carding machine.
169698	9-9-1988	Do.	A device for feeding uniform blend of card sliver or spunbonded tissues in machines such as carding machines carding engines, cleaner and similar machines used in the or for blending or card sliver or spunbonded tissues.
169699	9-9-1988	Do.	A device for feeding desiccated blend of card sliver or spunbonded tissues in machines.
162483	8-3-1984	Tulserate Ltd, of 14, Dominion Street, London, EC2M 2Rg, England.	Space frames.
172382	1-3-1989	United Technologies Corporaon, 1, Financial Plaza, Hartford, Connecticut, 06101, USA.	Wind turbine shutdown system.
161729	5-7-1985	Vereingigte Fullkorper Fabriken GmbH & Co, of Rheinstrasse, 176 D-5412, Ransbach, Baumbach 2, Baumbach 2, Federal Republic of Germany.	Packing unit for mass transfer columns.
160369	13-3-1985	Voest Alpine AG, MA Schineufabrik, Liezen.	Internal lining for ball mills.
168866	30-3-1984	Voest Alpine AG, A-1011, Vienna, Friedrichstrasse-4, Austria.	Cutting assembly for a rock cutting machine.
168210	13-6-1988	Do.	During arrangement for the cutting heads or rolls of an advancing or mining machine.
170036	21-10-1988	Do.	Reversing device for a rail crossing site.
170171	21-10-1988	Do.	A reversing device for a railway switch.

1	2	3	4
165522	15-7-1986	Vetrotex sant-Goban, of 767, Quades, Allobroges, F-73000, Chambers, France.	Appratus and method for manufacturing wound, bodies from plurality of separate & continuous threads.
159915	22-3-1984	Vulkan Kocks GmbH, of Lindenstrasse, 10, 2870, Bremen, Germany.	Travelling winch cable hoisting mechanism with ascillation damping.
164592	27-4-1985	Vulkan Kocks, Do.	Cable hoisting mechanism of a crane.
165740	30-7-1986	Wagor International AG, of Industriestrasse, 22, CH-9750, Altstätten, Switzerland, and J. Wagner, GmbH, of Eisenbahnstrasse-18-24, D-7990, Friedrichsfafen 1, F.R. of Germany.	Airless spray gun.
168307	6-3-1987	Werkzeugmaschinen-Oerlikon-Buehler AG, Birchstrasse 155 8050, Zurich, Switzerland.	Appratus for control transfer of the cradle movement of a firearm to the direction collimator.
170387	6-3-1987	Do.	A device for raising and lowering power supply unit mounted on a transportable gun.
159486	12-4-1984	Werzalit-werke, J.E. Werz-KG, of 7141, Oberstenfeld, Bei, Stuttgart, West Germany.	Power press for the manufacture of profiled bodies.
162424	11-10-1984	Do.	Device for the manufacture of thin walled mouldings.
170116	8-9-1988	Yen Li Hung, P.E. of P.O. Box 744006, Dallas, Texas 75374, USA.	A modular structure.
166742	20-8-1986	Yuan HO Lee, of No. 851, Chung-san Road, Nanpao Tsun, Kueijen, Hsian, Taiwan, Rep. of China.	Molding device for modular concrete unit.
169500	25-4-1988	Yuan-HO, Lee, Republican of China.	Molding device with hand operable mold releasing mechanism.
155558	10-1-1983	Zollani Pvt. Ltd., of 1 Smith street, Parramatta New South Wales-2150, Australia.	An intravaginal device for controlling urinary in continence.
169989	23-6-1988	Zeuna-Sarker GmbH, and co-KG, postfach-102669, Auberke Uferstr. 61-69/73, 8900, Augsburg, West Germany.	Method and apparatus for the cleaning of a soot filter.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entries is the date of the registration included in the entries.

Class 1. No. 169228, Sport Specific of America Inc., a corporation organised and existing under the laws of the State of Delaware, U.S.A., of 2707 Satsuma, Dalls, Texas 75229, U.S.A., "EXERCISE MACHINE", 26th May 1995.

Class 1. No. 169042, Alfa Electronics, Cochin, Kerala, India, an Indian Company, "HARRICANE LAMP", 20th April 1995.

Class 1. No. 170118, Velmor Home Decor Pvt. Ltd., of Dayasagar Industrial Estate, Godder Road, Brayander 401105, Maharashtra, India, Indian Company, "STOPCOCK", 3rd November 1995.

Class 1. No. 169979, Leak-Proof Engineering Works of F 1, Laxmi Industrial Estate, New Link Road, Andheri (W), Bombay 400 058, Maharashtra, India, Indian Partnership Firm, "MEMBRANE OF COUPLING", 9th October 1995.

Class 1. No. 169400, Massey Ferguson S.A., Avenue Blaise Pascal, 60026, Beauvais, a French Company, "A TRACTOR CAB", 31st December 1994 (Reciprocity Date).

Class 3. No. 169595, Deepak Kumar Khemka & Bharat Khemka, both Indian citizen of 75C Park Street, Calcutta-700016, W. Bengal, India, "PENS", 2nd August 1995.

Class 3. No. 169550, VIP Industries Ltd., of 78 A MIDC, Satpur, Nashik 422007, Maharashtra, India, an Indian Company, "SUITCASE", 26th July 1995.

Class 3. No. 169302, Gosakha Ayurvedic Pharmaceuticals, an Indian partnership firm, whose partners are 1. Mulalpudi Anjaiah Vasudeva Rao and 2. Ketham Madan Mohan, Indians of 1-7-1061, Industrial Area, Azamabad, Hyderabad, AP, India, "BOTTLE" 9th June 1995.

Class 3. 169141, Mrs. Ligy P. J., Proprietress, Indian, trading as Alpha Electronics, an Indian company, 42/987, Tata Pipe Line Road, Cochin 18, Kerala, India, "EMERGENCY LIGHT", 8th May 1995.

Class 3. No. 169506, Eagle Flask Industries Limited, a company incorporated under the Companies Act, 1956 whose address is Eagle Estate, Talegaon 410507, Dist : Pune, Maharashtra, India, "WATER CARRIER", 13th July 1995.

Class 3. No. 169576, Sardar Gurudas Singh Bedi Indian national trading under the name and style of Volga Confectionery Works, a sole proprietary concern whose address is 16, Municipal Industrial Estate, K. K. Marg, Jacob Circle, Bombay-400011, Maharashtra, India, "CONTAINER", 1st August 1995.

Class 3. No. 169471, Bharat Margarine Limited, an Indian company, of White House, 119 Park Street, Calcutta-700016, W. Bengal, India, "CONTAINER", 5th July 1995.

Class 3. No. 170380, Orient International, 4, Gopal Nivas, 5th Road, Santacruz (East), Bombay 400055, Maharashtra, India, a proprietary firm, "CONTAINER", 11th December 1995.

Class 3. No. 169375, Dipty Lal Judge Maj Pvt. Ltd., 19, Rajasthani Udyog Nagar, G. T. Karnal Road, Delhi-110033, India, an Indian Company, "WATER JUG", 21st June 1995.

Class 3. No. 169508, Angel Packaging Pvt. Ltd., a company incorporated under the Companies Act having its registered office at Plot No. 415, G.I.D.C.

Engineering Estate, Sector 28, Gandhinagar 382028, Gujarat State, India, "JERRY CAN", 14th July 1995.

Class 3. No. 169509, Mohmedbhai S. memon, a sole proprietor of Atlas Industrial Corporation, having principal place of business at Plot No. 415, G.I.D.C., Engineering Estate, Sector-28, Gandhinagar-382028, Gujarat State, India, "JERRY CAN", 14th July 1995.

Class 3. No. 170018, Peacock Industries Limited, an Indian Company of Kodiyat Road, P. B. No. 184, Udai-pur-313001, India, "SUN LOUNGER", 12th October 1995.

Class 4. No. 168092, Reckitt & Colman Products Limited, of One Burlington Lane, London W4 2RW, United Kingdom, an UK company, "VOLATILE SUBSTANCE DISPENSER WITH POROUS WALLS", 13th September 1994.

Class 10. No. 169566, Noble Rubber Products of B 7, Site A, Industrial Area, Sikandra, Agra-7, U.P., India, an Indian sole proprietorship concern, whose proprietor is Har Sukh Rai Katyal of above address and is Indian by nationality, "SOLE OF FOOTWEAR", 27th July 1995.

Class 10. No. 169783, Enkay Hws India Limited, 2/8, Roop Nagar, Delhi-110007, India, an Indian company, "SOLE FOR FOOTWEAR", 31st August 1995.

R. A. ACHARYA

Controller General of Patents, Designs & Trade Marks

प्रबन्धक, भारत सरकार मंत्रालय, फरीदाबाद द्वारा मद्रिफ
एवं प्रकाशन नियंत्रक, दिल्ली द्वारा प्रकाशित, 1996

PRINTED BY THE MANAGER, GOVERNMENT OF INDIA PRESS, FARIDABAD,
AND PUBLISHED BY THE CONTROLLER OF PUBLICATIONS, DELHI, 1996

